Michael Baker
INTERNATIONAL

2026 GROUNDWATER MONITORING REPORT

ERIE COKE SITE

ERIE COUNTY, PENNSYLVANIA

PADEP Contract No.: SAP4000030172
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Commonwealth of Pennsylvania
Department of Environmental Protection

Submitted by:

Michael Baker International
Moon Township, Pennsylvania

October 2026

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Submitted to:

Commonwealth of Pennsylvania
Department of Environmental Protection
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NOTICE
The information in this document has been funded by the Pennsylvania Department of Environmental Protection (PADEP) under Contract No. SAP4000030172 to Michael Baker International. This document has been formally released by Michael Baker to the PADEP.

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ACRONYMS AND ABBREVIATIONS

AWMSI	American Waste Management Systems, Inc.
bgs	below ground surface
C&D	Construction & Demolition
Department	Pennsylvania Department of Environmental Protection
DNAPL	Dense Non-Aqueous Phase Liquid
DQO	Data Quality Objective
GTAC	General Technical Assistance Contract
HSCA	Hazardous Sites Cleanup Act
IDW	Investigation-Derived Waste
LNAPL	Light Non-Aqueous Phase Liquid
mg/L	milligram per liter
MSC	Medium-Specific Concentration
NAPL	Non-Aqueous Phase Liquid
ORP	Oxidation Reduction Potential
PADEP	Pennsylvania Department of Environmental Protection
PAHs	Polycyclic Aromatic Hydrocarbons
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percent Difference
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
µg/L	microgram per liter
USGS	United States Geological Survey
VOC	Volatile Organic Compound

SIGNATURE AND SEAL OF

PENNSYLVANIA PROFESSIONAL GEOLOGIST

Interpretations of geologic and hydrogeologic data were prepared under the direction and approval of a professional geologist licensed in the Commonwealth of Pennsylvania.



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October 20, 2026
Date

EXECUTIVE SUMMARY

Michael Baker International (Michael Baker) completed groundwater monitoring and aquifer testing activities at the former Erie Coke Site in Erie, Pennsylvania, on behalf of the Pennsylvania Department of Environmental Protection (PADEP). The work included a comprehensive groundwater sampling event conducted in May 2026 and hydraulic conductivity testing (slug testing) completed afterwards to support ongoing site characterization and future remedial planning.

Contamination at former coke manufacturing facilities is commonly associated with the historical processing of coal into coke and the management of associated byproducts. During coke production, coal is heated in the absence of oxygen, generating coal tar, coke oven gas, ammonia, and other process wastes containing Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Polycyclic Aromatic Hydrocarbons (PAHs). Decades of industrial operations, material handling, storage tank and piping leaks, waste disposal practices, and the use of contaminated fill materials can result in the release of these constituents to site soils and groundwater. At the Erie Coke Site, the widespread distribution of contaminants and the presence of multiple areas of elevated concentrations indicate that groundwater impacts are likely the result of numerous historical source areas and releases that occurred over the facility's long operational history.

Groundwater samples were collected from 55 of the 61 monitoring wells located across the approximate 96 acres of land property (remaining property submerged). Groundwater elevations were measured in all 61 wells to evaluate hydrogeologic conditions and groundwater flow. Results indicate groundwater flow remains predominantly northward toward Lake Erie, consistent with previous investigations. Aquifer testing identified moderate hydraulic conductivity of approximately 32.7 feet per day and an estimated groundwater velocity of approximately 16 feet per year, suggesting that while the overburden aquifer is relatively permeable, contaminant migration occurs under a low hydraulic gradient.

Analytical results continue to demonstrate significant groundwater impacts associated with historical coke manufacturing operations. VOCs were detected in approximately 90 percent of sampled wells, with groundwater criteria exceedances occurring in more than 60 percent of the monitoring network. Benzene remained the primary constituent of concern and exceeded applicable groundwater criteria in 34 of 55 wells with several wells exhibiting concentrations orders of magnitude above regulatory standards. This is understandable as benzene is a major component of coke oven gas and coal tar. The highest benzene concentrations were detected in MW-13 (370,000 micrograms per liter [µg/L]) and MW-45 (140,000 µg/L), both located within the Industrial North Area. Additional elevated VOC concentrations were identified within the Lampe Marina Area, Tank Farm Area, and Industrial South Area.

SVOCs were detected in 54 of 55 wells sampled, with criteria exceedances observed in approximately 51 percent of them. PAHs, including naphthalene, carbazole, and 2-methylnaphthalene, were the most frequently detected and elevated SVOCs. This is understandable as PAHs are a major byproduct of the coal to coke manufacturing process. Areas exhibiting the greatest SVOC impacts generally correspond with the areas of elevated VOC contamination, including the Lampe Marina Area, Tank Farm Area, Industrial South Area, and portions of the Industrial North Area.

Groundwater analytical results and contaminant distribution mapping indicate contamination is not associated with a single source area. Rather, multiple historical source areas associated with nearly two centuries of industrial use, waste disposal practices, fill placement, and coke production activities have contributed to numerous independent and commingled contaminant plumes throughout the Site. These impacts continue to adversely affect groundwater quality across large portions of the property.

Groundwater contamination continues to migrate toward Lake Erie along much of the approximately 2,000-foot shoreline bordering the Site. The investigation also confirmed the presence of groundwater contamination beneath portions of the adjacent Lampe Marina parking lot, demonstrating that contaminant migration extends beyond the northern Site boundary. The most significant groundwater impacts remain associated with the Lampe Marina Area, Industrial North Area, Industrial South Area, and Tank Farm Area.

Dense Non-Aqueous Phase Liquid (DNAPL) was measured in seven monitoring wells within the Tank Farm Area. The greatest DNAPL thickness was observed in MW-26S at approximately four feet. DNAPL distribution and thicknesses were generally consistent with previous investigations and appear confined to the Tank Farm Area. Results continue to suggest the presence of a preferential migration pathway, potentially associated with historical underground utility or transfer piping infrastructure. While DNAPL does not currently appear to pose a direct threat to Lake Erie, dissolved-phase contamination remains present and continues to migrate toward the shoreline.

Evaluation of historical groundwater monitoring data identified both increasing and decreasing contaminant trends across the site. While several wells exhibited decreasing VOC and SVOC concentrations, localized increases were identified in a limited number of wells, including MW-45 (benzene, toluene and total xylenes) and MW-41 (toluene and total xylenes). Notably, benzene concentrations in MW-13, historically the most contaminated well on the site, decreased approximately 41 percent between December 2024 and May 2026. Even with this substantial decrease, the well continues to exhibit the most elevated VOC concentrations on site. Additional monitoring will be necessary to determine whether these trends represent long-term changes or normal fluctuations in groundwater conditions.

Based on the findings of the 2026 groundwater monitoring program, continued annual groundwater monitoring is recommended for selected on-site and off-site wells, particularly within the Lampe Marina Area, Industrial North Area, and Tank Farm Area. Groundwater elevation measurements should continue to be collected from all 61 monitoring wells to support groundwater flow evaluations. Continued DNAPL monitoring within the Tank Farm Area is also recommended. Furthermore, the extensive environmental database developed through investigations conducted between 2022 and 2026 should continue to support preparation of the Remedial Alternatives Analysis (RAA), which will identify, prioritize, and evaluate remedial options for the site's principal source areas and impacted groundwater zones.

In summary, the 2026 monitoring program confirms that significant groundwater contamination remains present beneath the Erie Coke Site and has migrated into limited off-site areas. Multiple contaminant source areas continue to influence groundwater quality, and contaminant migration toward Lake Erie remains ongoing. Continued monitoring and advancement of remedial planning activities remain

warranted to support future environmental management, cleanup, and redevelopment decisions for the property.

1.0 INTRODUCTION

Michael Baker International (Michael Baker) has prepared this 2026 Groundwater Monitoring Report for the Pennsylvania Department of Environmental Protection (PADEP or Department) as authorized by PADEP Work Requisition, Number 8-6-200, Contract Number SAP4000030172 (GTAC-8), pursuant to the Pennsylvania Hazardous Sites Cleanup Act (HSCA), Act 108, October 18, 1988.

This report presents the strategies and methodologies used to implement the Scope of Work at the Erie Coke site located in Erie, Pennsylvania that were presented in the '2026 Groundwater Monitoring Work Plan and Reporting' (Michael Baker, March 2026). The Work Plan was prepared based on the findings from the recently completed 2025 Site Investigation & Groundwater Monitoring Report (Michael Baker, January 2026).

The two primary tasks associated with this scope of work included completion of one comprehensive groundwater sampling event of most wells on site (55 of 61 wells) and also hydraulic aquifer testing (slug tests) on select wells to aid in the evaluation of the aquifer hydraulic properties for use ultimately in the Remedial Alternatives Analysis (RAA) Report development.

The report included herein presents the sampling methodologies and findings from the sampling activities, results of the aquifer testing, trends in analytical results, and also the associated conclusions and recommendations moving forward.

2.0 SITE LOCATION AND SETTING

The Erie Coke Site is located at 925 East Bay Drive in the City of Erie, Erie County, Pennsylvania at 42° 08’ 40.6602” N latitude and -80° 04’ 3.5976” W longitude on the United States Geological Survey (USGS) Erie North Quadrangle map (Figure 1). The site, formerly owned by Erie Coke Corporation (Erie Coke), is currently owned by the Erie-Western Pennsylvania Port Authority and consists of several parcels of land totaling approximately 186 acres of which approximately 96 acres is land, and an additional 90 acres is considered ‘submerged lands’ (beyond the Lake Erie shoreline into the lake). The site is bordered to the north by Lake Erie and Lampe Marina, to the east by East Avenue Boat Ramp (East Ave. Boat Launch) and Lake Erie, to the south by a residential area and the Barber National Institute, and to the west by the City of Erie wastewater treatment plant and a wooded area (Figure 2). The location of all 61 groundwater monitoring wells are shown on Figure 3.

The site is located within a state designated Environmental Justice Area. The site is sparsely vegetated and not in use. The site is generally flat, except for steep banks above the Lake Erie shoreline and the area west and south of the main operational plant area. The northern / eastern bank separates the site from Lake Erie, and the western / southern bank separates the site from East Bay Drive. Access to the site for vehicles is restricted to the East Avenue gate entrance where a new locking gate and fencing were recently installed by the Department to partially restrict access.

General land uses proximate to the site include commercial, industrial, and residential areas. The population within a three-mile radius relies exclusively on a public water supply operated by Erie Water Works. The entire City of Erie is under a non-use aquifer status, and therefore, no residential groundwater wells are permitted to be installed or used within the city limits.

It should be noted that an extensive discussion of the site history and the associated environmental investigations are not included herein but are available for reference in the Phase II Site Investigation Report (OBG | Baker, September 2024).

3.0 SITE PREPARATION ACTIVITIES

To complete comprehensive sampling activities in an efficient and timely manner, site preparation activities were completed at project onset and prior to the groundwater sampling and aquifer testing. Most of the site preparation activities were completed on May 11, 2026. The delivery of the field office, delivery of the portable toilet, on-site meeting with the security company (BlackGate Security), electrical connection to the field office by the subcontractor (Keystone Electric), delivery of the Construction and Demolition (C&D) box and empty wastewater drums by the waste management subcontractor (American Waste Management Services, Inc. [AWMSI]), and clearing pathways to designated wells by the subcontractor (Allprobe Environmental, Inc. [Allprobe]) were all completed this first day on site.

An excavator and skid steer with a brush hog attachment were used by Allprobe to complete the vegetation clearing and vehicle/personnel access pathways to the designated wells. Unfortunately, phragmites and other invasive weeds grow back quickly each year on site. For this scope of work, limited tree cutting (saplings) and grading work were necessary to clear the pathways to the well locations.

In some areas, only the skid steer with brush hog was needed to clear the pathways. In others, the excavator was used to cut the pathway with the skid steer following behind to 'clean up' and grade the cut pathway. Michael Baker personnel directed the subcontractor where to clear using a handheld GPS unit and surveyed mapping.

Pathways were developed through the brush that was wide enough to allow vehicles to reach each designated well location. Clearing also was completed around each well to allow the field personnel enough room to utilize the groundwater sampling equipment without being hindered by the surrounding heavy vegetation.

4.0 GROUNDWATER MONITORING ACTIVITIES

The comprehensive groundwater sampling event was completed from May 11 to May 19, 2026. A majority (55 of 61) of the groundwater monitoring wells on site were sampled during this scope of work. Wells not included in the May 2026 groundwater sampling event included MW-3, MW-4, MW-7, MW-20, MW-25, and MW-32 due to their lack of historical contaminant detections. All 61 monitoring wells are shown on Figure 3.

Groundwater levels were collected from all wells (including the six wells shown above not being sampled) and recorded in the field notebook and are summarized on Table 1. The monitoring wells were purged prior to sampling to collect a representative groundwater sample from the overburden aquifer.

A majority of the 55 monitoring wells were purged and sampled using low flow purging and sampling methods to minimize sampling-induced turbidity problems and provide samples more representative of ambient groundwater quality. A peristaltic pump with dedicated, disposable polyethylene tubing was used for most of the well purging and sampling activities to mitigate cross contamination between wells. A dedicated, disposable field filter was used in line to collect the groundwater sample aliquot designated for dissolved metals analysis. In wells that purging and sampling were problematic due to the presence of Non-Aqueous Phase Liquid (NAPL) or limited production, those wells were purged with a dedicated, disposable polyethylene bailer and retrieval line.

All groundwater samples were analyzed for Volatile Organic Compounds (VOCs) (Method 8260D) and Semi-Volatile Organic Compounds (SVOCs) (Method 8270E), but only a limited number of wells also were analyzed for total and dissolved metals (Method 6010D), total and dissolved mercury (Method 7470B), and general chemistry (multiple analytical methods). This is primarily due to there being little to no historical data available for these parameters on some of the newer wells.

After collecting the samples for laboratory analysis, field parameter samples were collected and measured for pH, conductivity, temperature, dissolved oxygen, Oxidation-Reduction Potential (ORP), and turbidity. The May 2026 field parameters were recorded in the field notebook and are summarized on Table 2.

4.1 Non-Aqueous Phase Liquid Monitoring

During implementation of the groundwater sampling activities, measurements of both Light NAPL (LNAPL) and Dense NAPL (DNAPL) were completed in the Tank Farm Area. The individual or multiple sources of the NAPL were not identified in the Tank Farm Area as it could be from multiple tanks and/or transmission lines beneath the ground surface. Throughout the previous site investigations, coal tar, creosote, and other byproducts of coke production were encountered in various soil and well borings.

An Interface Probe (IFP) was previously used to measure NAPL in applicable monitoring wells, but the viscosity and 'sticky' properties of the NAPL would not allow for accurate NAPL measurements, and cleaning the IFP afterwards proved time consuming and problematic. A weighted measurement tape and string subsequently were used to measure NAPL but also proved problematic with the inability to penetrate down through the standing NAPL in the bottom of the applicable well.

The latest measurement tool used to measure the NAPL was a 30-foot long, one-inch diameter rigid PVC pipe. The length of the pipe allowed for lowering through the well casing and firmly seating the one-inch pipe at the base of the well bottom cap. Once confirmed at the bottom (through minor tapping of the one- inch pipe on the well bottom cap), the pipe was immediately removed from the well casing and laid on the ground. The NAPL adhering to the outside of the PVC pipe showed the accurate thickness of the NAPL by measuring the length of black NAPL staining along the PVC pipe from the bottom upward.

Measurable thicknesses of DNAPL were observed in seven of the groundwater wells in the Tank Farm Area in May 2026 (Table 3). Measurements were collected prior to implementing the comprehensive groundwater sampling of these wells. LNAPL was not observed in any of the monitoring wells. MW-26S exhibited the greatest thickness of DNAPL with four feet in May followed by MW- 34D (1.90 feet), MW-9D (1.85 feet), MW-27D (1.85 feet), MW-10S (0.80 feet), MW-36D (0.25 feet), and MW-26D (0.05 feet). DNAPL thicknesses remained consistent between May 2026 and the previous measurements in June 2025. The variability in DNAPL thicknesses in the wells may be attributed to differing conduits allowing the DNAPL plume to contact the well screen, differing DNAPL product viscosities, differing DNAPL adsorption rates, and DNAPL source volume and proximity to the wells.

5.0 HYDROGEOLOGY

Detailed discussions of site geology and hydrogeology were presented previously in the Phase II Site Investigation Report (OBG | Baker, September 2024). The hydrogeology discussions below are an update to previous reporting using the data collected from the most recent May 2026 groundwater sampling event.

The water table in the unconfined, overburden aquifer was generally encountered (during drilling operations) at a depth of approximately eight feet below ground surface (bgs) and provided sufficient production for groundwater sampling in all but one well (MW-27S). MW-27S has exhibited poor groundwater production historically. Seasonal fluctuations caused variability in the encountered groundwater from approximately eight to eleven feet below grade over the investigation history. To collect representative groundwater elevation measurements, the water levels in each of the 61 wells shown on Figure 3 were measured before the well purging and sampling activities. Even though six of the wells (MW-3, MW-4, MW-7, MW-20, MW-25, and MW-32) were not included in the sampling event, water levels were still collected from those wells to provide a more representative sitewide groundwater flow map.

As summarized on Table 1, the average depth to groundwater in the 61 wells in May 2026 was approximately ten to eleven feet bgs. All 61 of the wells were installed in the unconfined aquifer to either straddle the water table (shallow wells) or be installed at the overburden/bedrock interface (deep wells).

Based on May 2026 groundwater elevation measurements, a groundwater elevation contour map was developed (Figure 4). It should be noted that only the shallow monitoring well measurements on Table 1 were used for the map development as the use of the nested deep well measurements would provide an inaccurate map of groundwater flow. As shown on the figure and as expected, the groundwater flow direction was generally to the north toward Lake Erie with an approximate hydraulic gradient of 4.5×10^{-3} feet per foot. The hydraulic gradient is essentially the slope of the water table across the site. The groundwater flow, gradient, and associated mapping are relatively consistent with previously developed groundwater elevation contour maps for the site that also showed flow toward the lake.

Three standpipes (SP-1 through SP-3) were installed during previous site investigation activities. The purpose of the standpipes was an attempt to collect accurate measurements of the Lake Erie water level in comparison to the groundwater elevations in nearby wells on the land portion of the site. At the time of sampling in May 2026, only a water level in SP-3 was collected as SP-1 was at the water's edge and SP-2 was damaged and removed during the previous winter.

Based on the groundwater elevations in May 2026, the water level in standpipe SP-3 was lower than the nearest monitoring wells on land conveying and corroborating the most recent groundwater flow mapping showing flow toward the lake.

6.0 AQUIFER TESTING

Aquifer testing (i.e., slug testing) was performed to obtain information related to the hydraulic conductivity (K) values of the shallow groundwater at the site. Hydraulic conductivity is a measure of how easily groundwater can move through soil, sediment, or bedrock. The testing was completed from May 26 to May 28, 2026, after completion of all groundwater sampling activities. Michael Baker personnel demobilized after verifying that all data collected was usable and saved accordingly for post field data processing.

6.1 Slug Testing Procedures

Slug tests were conducted on 15 monitoring wells at various locations across the site to determine single point hydraulic conductivity values of the shallow aquifer. The focus was not only on wells parallel to the extensive Lake Erie shoreline but also wells further west to evaluate the hydraulic conductivity variation as groundwater approaches the lakeshore and if a damming effect is in place within the aquifer. Several shallow and deep well nests also were included in the testing. Wells MW-44, MW-28, MW-17, MW-37, MW-1, MW-18, MW-5S/D, MW-9S, MW-35D, MW-22S/D, MW-4, MW-7, and MW-33 were included for the aquifer slug testing. These wells provided sufficient coverage and representation across the site throughout the complete vertical profile of the overburden aquifer. Further, these specific wells also were chosen as they exhibited little to no contaminant impact avoiding minimal chances of cross contamination across the wells and mitigate decontamination procedures.

Rising and falling head slug tests were performed by instantaneously changing the water level in each well (adding/removing a solid "slug") and measuring the recovery rate back to equilibrium to calculate hydraulic conductivity. Falling head tests increase the water level, while rising head tests decrease it, with recovery measured via pressure transducers. At least three tests were performed in each well with both three- and five-foot long slugs. In some cases, more than three tests were performed. Multiple tests were performed to evaluate the well skin (skin effect) and how the hydraulic conductivity of the formation compares to the hydraulic conductivity around the well screen as well as assessing non-linear flow across the aquifer.

Both falling and rising head slug tests were performed for comparison purposes. However, the falling head slug tests are not considered representative of the aquifer if the groundwater levels are within the screened intervals. The rising head slug test results are a valid representation of aquifer hydraulic characteristics when the groundwater level is within the screen since the test measures the hydraulic conductivity of the aquifer rather than the drainage of the well sand pack and compressing air into the formation. Ten monitoring wells had the water level within (‘straddled’) the screened interval (MW-1, MW-5S, MW-7, MW-9S, MW-17, MW-22S, MW-28, MW-33, MW-37, and MW-44), and five monitoring wells had water levels above the screened interval (MW-4, MW-5D, MW-18, MW-22D, and MW-35D).

Multiple rising and falling head tests were performed at the monitoring wells. Slug test results were analyzed with Aqtesolv software using procedures developed by Bouwer and Rice (1976) for

unconfined aquifers.

6.2 Slug Testing Results

Slug testing was performed on monitoring wells to determine an average hydraulic conductivity for the site. Slug test results are presented in Attachment C. The average hydraulic conductivity across the site was calculated to be 32.68 feet/day incorporating all data. Looking at just the northern area of the site along Lake Erie and the Lampe Marina show an average hydraulic conductivity of 48.28 feet/day. The area around the former coke operations exhibited an average hydraulic conductivity of 17.76 feet/day. Further south, the average hydraulic conductivity in the former operations area along Lake Erie exhibited an average hydraulic conductivity of 29.62 feet/day. The slug test data conveys that groundwater flow varies significantly across the site based on numerous variables previously presented. Groundwater flow toward the lakeshore appears faster in the Lampe Marina area than locations further south in the operations area of the site.

An average hydraulic gradient of the shallow aquifer was previously discussed and was calculated for the site to be 4.5×10^{-3} feet per foot. An average groundwater velocity utilizing the average hydraulic conductivity, average gradient, and an effective average porosity of 30 percent was calculated at 0.04 feet per day or approximately 16.1 feet per year. Slug testing indicates relatively high hydraulic conductivity coupled with a very low hydraulic gradient, resulting in a moderate groundwater flow velocity and limited potential for lateral contaminant migration. Stated differently, although the aquifer can have fast groundwater flowing through it, the very modest slope of the groundwater slows down the flow to be just moderate.

7.0 LABORATORY ANALYTICAL RESULTS – GROUNDWATER MONITORING WELLS

Because of the unknown future use of the site and the mixture of commercial, industrial, and residential areas near the site, the groundwater analytical results continue to be compared to both the Residential and Non-Residential Medium-Specific Concentrations (MSCs) for Used Aquifers. A summary of the groundwater analytical result detections is provided on Table 4, and a summary of quality control analytical results is provided on Table 5 for the May 2026 comprehensive groundwater sampling event. The detailed laboratory analytical reports from the sampling event are provided in Attachment A.

It should be noted that common laboratory artifacts including, but not limited to, acetone, chloroform, methylene chloride, and chloromethane that may be shown as detected on the tables are not discussed or tallied in the report sections below. They are not believed to actually be present in the respective groundwater sample and are a remnant of the laboratory analytical testing process.

7.1 Volatile Organic Compounds

Excluding laboratory artifacts, VOCs were detected in almost 90% (49 of 55 wells) of the groundwater monitoring wells sampled with VOC MSC criteria exceedances in over 60% of the wells sampled (34 of 55 wells). Five of the six quality control duplicate samples also exhibited VOC criteria exceedances.

As expected from the previous groundwater monitoring well results in June 2025, benzene was the most prevalent VOC to exceed criteria in the monitoring wells in May 2026. This is understandable as benzene is a major component of coke oven gas and residual coal tar.

Benzene criteria (5 µg/L for both Residential and Non-Residential MSCs) was exceeded in over 60% of the wells (34 of 55 wells) with concentrations in many samples being several orders of magnitude over criteria. Notable elevated benzene concentrations above criteria (5 micrograms per liter [µg/L]) are summarized below.

Benzene concentrations between 5,000 µg/L and 10,000 µg/L:

- MW-8D (6,300 µg/L)
- MW-8D DUP (6,200 µg/L)
- MW-10S (10,000 µg/L)
- MW-16 (10,000 µg/L)
- MW-26D (5,000 µg/L)
- MW-31 (9,100 µg/L)
- MW-36S (5,000 [H] (µg/L)
- MW-36D (5,900 [H] µg/L)

Benzene concentrations between 10,000 µg/L and 50,000 µg/L:

- MW-2 (12,000 µg/L)
- MW-2 DUP (12,000 µg/L)

- MW-10D (12,000 [H] µg/L)
- MW-15 (12,000 µg/L)
- MW-26S (13,000 µg/L)
- MW-27D (13,000 µg/L)
- MW-29 (11,000 µg/L)
- MW-41 (15,000 µg/L)

Benzene concentrations greater than 50,000 µg/L:

- MW-13 (370,000 µg/L)
- MW-45 (140,000 µg/L)
- MW-45 DUP (120,000 µg/L)

Most of the remaining benzene exceedances were over two orders of magnitude above the Residential MSC bringing the total with those listed above to 24 wells that exhibited criteria exceedances greater than 500 µg/L.

In addition to benzene, several other VOCs were detected in the groundwater monitoring wells with the most prominent being total xylenes (35 wells), toluene (32 wells), ethylbenzene (29 wells), carbon disulfide (16 wells), styrene (14 wells), and isopropylbenzene (10 wells). All other VOCs were detected in three wells or less.

After benzene, toluene was the most prominent VOC to exceed criteria (1,000 µg/L) in May 2026 with exceedances in 11 of the 55 wells. The toluene criteria exceedances were exhibited in the same wells that also had benzene criteria exceedances with the highest toluene concentration (52,000 µg/L) in MW-13 followed by MW-29 (20,000 µg/L), MW-45 (8,200 µg/L), MW-45 DUP (7,600 µg/L), MW-27D (2,600 µg/L), MW-15 (2,100 µg/L), MW-10D (1,800 µg/L), and MW-36D (1,500 µg/L).

Other more limited VOCs were detected and exceeded criteria in May 2026 including styrene (three wells), ethylbenzene (two wells), and total xylene (one well). All three of these analytes exceeded criteria in well MW-29 with the well exhibiting more VOC criteria exceedances (five) than any other well during the May 2026 sampling event.

7.2 Semivolatile Organic Compounds

At least one SVOC analyte was detected in 98% of the groundwater monitoring wells (54 of 55 wells – sans MW-5S) with SVOC MSC criteria exceedances exhibited in approximately 51% of the wells (28 of 55 wells). As expected from historical groundwater analytical results, PAHs were the most common of the SVOCs to be detected and exceed criteria in the monitoring wells during the May 2026 sampling event. This is understandable as PAHs are a major byproduct of the coal to coke manufacturing process.

Notable SVOC detections included naphthalene (53 wells), 2-methylnaphthalene (37 wells), acenaphthene (34 wells), carbazole (32 wells), fluorene (32 wells), and acenaphthylene (26 wells).

Notable SVOC criteria exceedances included naphthalene (21 wells), carbazole (18 wells), 2-methylnaphthalene (17 wells), 1,1'-biphenyl (10 wells), and dibenzofuran (6 wells). All other SVOC criteria exceedances were exhibited in four wells or less.

Naphthalene concentrations of one order of magnitude above criteria (100 µg/L) included:

- MW-10S (5,200 [*1] µg/L)
- MW-10D (2,400 [*1] µg/L)
- MW-15 (3,400 µg/L)
- MW-26S (5,200 µg/L)
- MW-26D (5,500 µg/L)
- MW-27D (4,800 µg/L)
- MW-34S (1,000 [*1] µg/L)
- MW-34D (3,700 [*1] µg/L)
- MW-36S (4,300 [*1] µg/L)
- MW-36D (5,700 [*1] µg/L)
- MW-40 (1,100 [E] µg/L)
- MW-41 (4,700 µg/L)

The summary above translates to approximately 22% of the wells (12 of 55 wells) exhibited naphthalene concentrations greater than one order of magnitude above criteria (100 µg/L).

Carbazole concentrations greater than three times above criteria (33 µg/L) included:

- MW-10S (150 [*1] µg/L)
- MW-15 (130 µg/L)
- MW-26S (140 µg/L)
- MW-26D (180 µg/L)
- MW-27D (150 µg/L)
- MW-34D (130 [*1] µg/L)
- MW-36S (160 [*1] µg/L)
- MW-36D (230 [*1] µg/L)

2-methylnaphthalene concentrations greater than one order of magnitude above criteria (6.3 µg/L) included:

- MW-10S (130 [*1] µg/L)
- MW-15 (89 µg/L)
- MW-26S (140 µg/L)
- MW-26D (190 µg/L)
- MW-27D (160 µg/L)
- MW-34D (140 [*1] µg/L)
- MW-36S (290 [*1] µg/L)

- MW-36D (410 [*1] µg/L)
- MW-41 (100 µg/L)

Most of the groundwater monitoring wells exhibited multiple SVOC analyte criteria exceedances. Wells with the most SVOC criteria exceedances included MW-26S (six SVOC exceedances), MW-10S, MW-27D, MW-34D, MW-36S, MW-36D (five SVOC exceedances each), and MW-9S, MW-9D, MW-15, MW-27S, MW-40, MW-41 (four SVOC exceedances each). Attachment D provides a summary table of analytical detections from the previous sampling event in December 2024 for comparison's sake.

7.3 Metals

Due to the lack of historical metals detections and criteria exceedances in groundwater, it was agreed between the Department and Michael Baker that a reduction in the number of wells designated for metals analysis would continue to take place for the May 2026 groundwater sampling event. Metals analyses were conducted on wells with limited or no historical metals analytical results and included only those installed during the recent 2025 investigation (MW- 46, MW-47, and MW-48).

Although both total and dissolved metals analysis samples were collected from each designated well, the discussion below focuses solely on the dissolved component of the groundwater samples as these data provide a better understanding of groundwater quality without interference.

As expected, several dissolved metals were detected in all three of the wells and the one duplicate sample. Dissolved metal detections exceeding criteria were only observed in well MW-48 and the associated duplicate sample.

Barium, calcium, iron, magnesium, manganese, potassium, and sodium were the most detected of the dissolved metal constituents with detections in all four of the groundwater samples. With respect to criteria exceedances, manganese and iron were the only two dissolved metals to exceed criteria with an iron concentration of 2,100 µg/L and a manganese concentration of 590 µg/L in well MW-48. Similar iron and manganese concentrations were exhibited in the associated duplicate sample (2,000 µg/L and 570 µg/L, respectively).

It should be noted that the iron criteria is actually a Secondary Maximum Contaminant Level (SMCL) which is an unenforceable recommended concentration that may provide aesthetic displeasure in use (e.g., odor, staining, etc.). Attachment D provides a summary table of analytical detections from the previous sampling event in December 2024 for comparison's sake.

7.4 General Chemistry

General chemistry analyses included total acidity, total alkalinity, chloride, nitrate as N, pH, specific conductance, sulfate, total dissolved solids, and turbidity (multiple analytical methods).

Consistent with the sampling methodology for metals, general chemistry was only analyzed on select wells during the May 2026 sampling event. Wells designated for general chemistry analyses included wells installed during the Supplemental Site Investigation (MW-39 through MW-45), the 2025 Site Investigation (MW-46, MW-47, and MW-48), and select other wells that would aid in the concurrent Remedial Alternatives Analysis (RAA) Report development by Michael Baker (MW-9S/D, MW-10S/D, MW-26S/D, MW-27S/D, MW-34S/D, and MW-36S/D). In addition, wells MW-1, MW-13, and MW- 21 also were analyzed for pH as historical data had exhibited levels outside of the acceptable pH range.

As summarized on Table 4, pH levels were only outside of the acceptable criteria range (6.5 – 8.5) in wells MW-1 (11.4), MW-13 (2.5), and MW-21 (11.1). The pH levels were anticipated and consistent with historical data from these three wells.

Sulfate was detected in 21 of the 22 wells analyzed and exceeded criteria (250 milligrams per liter [mg/L]) in 15 of the wells with detectable concentrations ranging from 2.79 mg/L in MW-41 to 1,540 mg/L in MW-27S. The elevated sulfate levels were anticipated in groundwater as ammonium sulfate is produced as a by-product during removal of ammonia from raw coke oven gas.

Total dissolved solids criterium (500 mg/L) was exceeded in 21 of the 22 wells with concentrations ranging from 340 mg/L (MW-41) to 2,700 mg/L (MW-27S).

Chloride also was detected in all 22 of the wells sampled with one criterion (250 mg/L) exceedance of 287 mg/L (MW-9D). Chloride concentrations ranged from 3.34 mg/L in MW-9S to 287 mg/L in MW-9D.

Attachment D provides a summary table of analytical detections from the previous sampling event in December 2024 for comparison's sake.

8.0 QUALITY ASSURANCE / QUALITY CONTROL

In addition to the investigative groundwater monitoring well samples, Quality Assurance/Quality Control (QA/QC) samples also were collected as part of the comprehensive groundwater sampling event. A presentation of the QA/QC samples collected with their associated analytical results is provided below. The analytical results of the duplicate samples are spread across their respective investigative results tables. The trip blank and field blank analytical results are tabulated on Table 5 and the detailed laboratory analytical reports provided in Attachment A. It should be noted that no equipment rinsate blanks were collected as only dedicated, disposable sampling equipment was used during the groundwater sampling activities.

8.1 Duplicate Samples

Duplicate samples were collected at a rate of approximately 10% of the associated investigative samples. A total of six groundwater duplicate samples (MW-2 DUP, MW-8D DUP, MW-11D DUP, MW-12 DUP, MW-45 DUP, and MW-48 DUP) were collected during the comprehensive groundwater sampling event.

As presented in the Quality Assurance Plan (Michael Baker, March 2026), the Data Quality Objectives (DQOs) for the Relative Percent Difference (RPD) between investigative samples and the associated duplicate samples has been established at 35% for non-aqueous samples and 20% for aqueous samples.

For the six duplicate groundwater samples, analyte detections and concentrations were considered adequate with respect to RPD values with limited exception. RPDs outside of the acceptable ratios included, but were not limited to, SVOCs in MW-2, MW-12D, and MW-45 and VOCs in MW-12D. However, for a majority of the 48 VOC analytes and 65 SVOC analytes, the concentrations and detections were commensurate between the investigative and the associated duplicate groundwater sample.

8.2 Trip Blanks

Trip blanks were analyzed to document VOC sample integrity during shipment of investigative samples from the site to the laboratory for analytical testing. Trip blanks were supplied by the laboratory before the beginning of the investigative field activities. They were stored in the field office trailer during the duration of the field activities.

One trip blank accompanied each cooler housing VOC samples that was shipped to the laboratory during the investigation. A total of seven trip blanks (TB-1 through TB-7) were submitted for laboratory analysis between May 11 and May 19, 2026.

As summarized on Table 5, trivial analyte detections were observed across the seven trip blanks. Common laboratory artifacts including acetone and methylene chloride were detected at low concentrations in all seven of the trip blanks. Carbon disulfide was detected in trip blank TB-4 at a concentration of 0.47 (J)(B) µg/L. It should be noted that the “B” qualifier on the TB-4 sample

conveys that carbon disulfide also was found in the associated internal method blank. Based on the trip blank analytical results, it is believed that sample integrity was not compromised between collection and delivery to the laboratory of any of the sample shipments.

8.3 Field Blanks

To document the background/ambient site conditions, one field blank (FB-1) was collected during the groundwater sampling activities in May 2026. The field blank was collected by pouring laboratory-grade, organic-free, deionized water (provided by the laboratory) into the appropriate sample containers for laboratory analyses. The analysis of the field blank documented the integrity/quality of the water supplied by the laboratory in case erroneous detections are observed from the laboratory analytical results and also document ambient site conditions during sample collection.

As summarized on Table 5, no VOCs were detected in the field blank but did exhibit low level concentrations of three SVOCs including 2-methylnaphthalene (0.063 [J] µg/L), acenaphthene (0.071 [J] µg/L), and naphthalene (0.099 [J] µg/L). Consistent with the trip blank discussion above, these detections are not a concern with respect to sample integrity and quantified results due to the very low concentration detections in the field blank.

9.0 INVESTIGATION-DERIVED WASTE MANAGEMENT

Investigation-Derived Waste (IDW) was generated and managed accordingly during the comprehensive groundwater sampling activities. Ancillary wastes that were not believed to pose a potential threat to the environment (e.g., disposable gloves, tubing, disposable bailers, rope, paper towels, etc.) were temporarily staged on site in a C&D rolloff box. One load of C&D waste totaling less than one ton was transported off site to the nearby Waste Management Lake View Landfill on June 30, 2026.

For the drummed aqueous waste, the collection of a new waste characterization profile sample was warranted. The composite sample from the four drums of purged groundwater from the sampling event included Toxicity Characteristic Leaching Procedure (TCLP) VOCs, VOCs, SVOCs, total metals, mercury, pH, flashpoint, reactive cyanide, and reactive sulfide. The four drums of hazardous aqueous waste were transported and disposed at The PennOhio Corporation in Ashtabula, Ohio on July 8, 2026.

Copies of the waste disposal manifest and C&D weigh ticket for all materials described above are presented in Attachment B. It should be noted that the C&D weigh ticket rounds to the nearest ton.

10.0 NATURE AND EXTENT OF CONTAMINANT IMPACT IN GROUNDWATER

This section was developed to evaluate the various physical and chemical properties of the contaminants detected in groundwater and provide a discussion of the relationship these properties have on influencing the fate and transport of the constituents of concern in the environment.

From the extensive groundwater investigations and subsequent rounds of groundwater sampling from the monitoring wells, some reasonable observations can be made regarding the nature and extent of contaminant impact in the overburden aquifer. However, it has been well documented that there may be other unknown areas on site where vadose zone contamination may have impacted groundwater quality on a more localized scale.

Extensive pockets of fill and waste buried on a 96-acre (land parcels only) site approaching two hundred years of operational activity between the coke and prior industrial production has blended waste streams into one or more contaminant plumes in the overburden aquifer.

10.1 Volatile Organic Compounds

VOCs were detected in almost 90% of the groundwater monitoring wells with VOC criteria exceedances in over 60% of the wells sampled (34 of 55 wells) as summarized on Table 4. One reason that the VOC coverage is extensive is because multiple source areas across the site contribute to it. Consistent with historical groundwater results, benzene was the most prevalent VOC to exceed criteria in groundwater (over 60% of the wells) with concentrations in many wells being several orders of magnitude over criteria (5 µg/L). This is understandable as benzene is a major component of coke oven gas and coal tar.

As summarized previously in Section 7.1, 16 of the 55 wells exhibited benzene concentrations at least three orders of magnitude above the 5 µg/L criteria with the two highest being MW-13 (370,000 µg/L) and MW-45 (140,000 µg/L) in the Industrial North Area of the site.

Although benzene impact in groundwater is extensive, it is not believed to be indicative of one source area plume. Rather, the benzene (and other analyte) impact in site groundwater is believed to be a comingling of multiple contaminant plumes from multiple source areas at varying depths (above and below water table).

To provide a better understanding of the extent of benzene impact in the overburden aquifer, a benzene isoconcentration map was developed for the May 2026 groundwater sampling event (Figure 5). As shown on the figure, there appear to be five primary well areas with the most elevated benzene concentrations in groundwater including:

- Lampe Marina Area - North (MW-12, MW-15, and MW-41 areas)
- Lampe Marina Area – South (MW-2 and MW-16 areas)
- Industrial North Area (MW-13 and MW-45 areas)

- Industrial South Area – Central Region (MW-29 area)
- Tank Farm Area (multiple shallow/deep wells)

Benzene concentrations in these areas ranged from low level detections to over four orders of magnitude above criteria (5 µg/L). Although benzene impact is documented in each of these areas, other analyte detections (and visual observations from previous well borings) support the comingling of multiple plumes theory (e.g., MW-29 near the tank farm exhibited more aggregate benzene, toluene, and xylenes concentrations than any other well on site; MW-13 groundwater was notably more acidic than most other wells on site [pH = 2.5]).

Based on the groundwater elevation contour map (Figure 4), and the distribution of benzene in groundwater (Figure 5), it is evident that each of these benzene-impacted areas are independent of each other and are not a result of an expanding plume migration (excluding migration within the Tank Farm Area itself). Rather, the resulting mapping of benzene depicts the site as a function of a number of smaller individual known and unknown source areas contributing to the overall poor groundwater quality beneath the site. The unknown areas are potentially impacted areas yet to be discovered.

Regardless of the number of independent or comingling contaminant plumes across the site, contamination in the overburden aquifer is migrating toward Lake Erie along a majority of the more than 2,000 feet of shoreline that abuts the site. The only exceptions would be in the area near well MW-33, between MW-13 and MW-19S, and between MW-46 and the Lampe Marina area where limited contamination was observed.

In all other wells near the Lake Erie shoreline, VOCs (primarily benzene) exceeded criteria with many detections being orders of magnitude above criteria. The VOC migration off site was not limited to the lakeshore. As evident on the benzene isoconcentration map (Figure 5), VOC impact in groundwater also was present beneath the Lampe Marina parking lot (see MW-39, MW- 40 and MW-41 on Table 4).

After benzene, toluene was the most prominent VOCs to exceed criteria (1,000 µg/L) in May 2026 with exceedances in 11 of the 55 wells. Toluene criteria exceedances were exhibited in the same wells that also had benzene criteria exceedances with the highest toluene concentration (52,000 µg/L) in MW-13 followed by wells MW-29 (20,000 µg/L), MW-45 (8,200 µg/L), and MW-27D (2,600 µg/L). This was expected as both benzene and toluene are present in high concentrations in coke production (carbonization) byproducts and wastes during the thermal breakdown of the coal.

Other more limited VOCs were detected and exceeded criteria in May 2026 including styrene (three wells), ethylbenzene (two wells), and total xylene (one well). All three of these analytes exceeded criteria in well MW-29 with the well exhibiting more VOC criteria exceedances (five) than any other well during the May 2026 sampling event.

10.2 Semi-Volatile Organic Compounds

At least one SVOC analyte was detected in 98% of the sampled groundwater monitoring wells (54 of 55 wells) with SVOC criteria exceedances exhibited in approximately 51% of the wells (28 of 55

wells). One reason that the SVOC coverage is extensive is because multiple source areas across the site contribute to it. Consistent with historical groundwater analytical results, PAHs were the most common of the SVOCs to be detected and exceed criteria in the monitoring wells during the May 2026 sampling event. This was expected as PAHs are products of the thermal breakdown and recombination of the hydrocarbons naturally occurring in coal.

Notable SVOC criteria exceedances included naphthalene (21 wells), carbazole (18 wells), 2-methylnaphthalene (17 wells), 1,1'-biphenyl (10 wells), and dibenzofuran (6 wells). All other SVOC criteria exceedances were exhibited in four wells or less.

To provide a better understanding of the extent of SVOC impact in the overburden aquifer, two additional isoconcentration maps were developed. The naphthalene (Figure 6) and 1,1-biphenyl (biphenyl) (Figure 7) isoconcentration maps were developed as these two PAHs exhibited a notable number of criteria exceedances during historical groundwater sampling events. Both of these are byproducts of the coal to coke development process.

Naphthalene concentrations were over one order of magnitude above criteria (100 µg/L) in wells MW-10S/D, MW-15, MW-26S/D, MW-27D, MW-34S/D, MW-36S/D, MW-40, and MW-41 with concentrations ranging from 1,000 µg/L to 5,700 µg/L. Including these 12 wells, approximately 22% of the wells exhibited naphthalene concentrations greater than one order of magnitude above criteria.

With respect to the naphthalene distribution (Figure 6), the areas with the most elevated naphthalene concentrations in groundwater were similar to the general areas of the biphenyl distribution (Figure 7). The most elevated naphthalene levels in groundwater included Lampe Marina Area (MW-15, MW-16, MW-40, and MW-41 areas), northwest of the Tank Farm (MW-11D area), Industrial South Area – Central Region (MW-29 area), and the Tank Farm Area (multiple shallow/deep wells). Naphthalene concentrations in some of these areas exceeded one order of magnitude above criteria (100 µg/L).

Based on the latest groundwater elevation contour map (Figure 4), and the distribution of naphthalene in groundwater (Figure 6), it is believed that each of these more impacted areas are independent of each other and are not a result of an expanding plume migration (excluding within the Tank Farm Area itself). Similar to benzene, the resulting mapping of naphthalene depicts the site as a function of a number of smaller individual source areas contributing to the overall poor groundwater quality beneath the site. Although naphthalene is heavier than benzene, it is still significantly more soluble than most PAHs and can migrate more than heavier PAHs [e.g., benzo(a)pyrene].

Biphenyl concentrations were over one order of magnitude above criteria (0.84 µg/L) in approximately 9% of the wells including MW-9S, MW-34S, MW-34D, MW-36S, and MW-36D with detectable concentrations ranging from 0.16 [J] µg/L to 35 (J) µg/L. As shown on Figure 7, the areas with the most elevated biphenyl concentrations in groundwater included Lampe Marina Area

(MW-16 area), Tank Farm Area (MW-9S and MW-36S/D areas), and Industrial South Area – East Region (MW-34S/D area).

Based on the latest groundwater elevation contour map (Figure 4), and the distribution of biphenyl in groundwater (Figure 7), it is believed that each of these biphenyl-impacted areas are independent of each other and are not a result of an expanding plume migration (excluding within the Tank Farm itself). Similar to benzene and naphthalene, the resulting mapping of biphenyl depicts the site as a function of a number of smaller individual source areas contributing to the overall poor groundwater quality beneath the site that is ultimately migrating toward the Lake Erie shoreline. It should be noted that the areas depicting the biphenyl plumes in May 2026 are significantly smaller than the previously developed biphenyl isoconcentration map from June 2025.

It should also be noted that the SVOC migration off site was not limited to the lakeshore. SVOC impact in groundwater is present beneath part of the Lampe Marina parking lot as represented on both the naphthalene and biphenyl isoconcentration maps.

10.3 Metals

As noted previously, due to the lack of historical metals detections and criteria exceedances in groundwater, the Department and Michael Baker agreed that a reduction in the number of wells designated for metals analysis would continue for the May 2026 groundwater sampling event. Metals analyses were only conducted on wells with limited or no historical metals analytical results. These wells included those installed during the recent 2025 Site Investigation (MW-46, MW-47, and MW-48).

In addition, although both a total and dissolved metals analysis sample were collected from each well, the discussion below focuses solely on the dissolved component of the groundwater samples as these data provide a better understanding of groundwater quality without interference.

In order to provide a representative evaluation of the nature and extent of metals impact in groundwater, the analytical results of dissolved metals from May 2026 were evaluated with the analytical results from the last comprehensive sampling event including metals in December 2024.

At least one dissolved metal detection exceeded criteria in approximately 80% of the wells during those two events. Potassium, sodium, manganese, magnesium, iron, calcium, and barium were the most detected of the dissolved metal constituents with detections in at least 95% of the groundwater samples.

With respect to criteria exceedances, iron and manganese were the most prevalent dissolved metals to exceed criteria with exceedances in over half of the wells in 2024. Notable manganese concentrations over an order of magnitude above criteria (300 µg/L) included MW-2, MW-4, MW-13, MW-16, MW-25, MW-36S, MW-39, MW-41, MW-42, and MW-45. MW-13 exhibited the most dissolved metals criteria exceedances with seven (aluminum, beryllium, chromium, cobalt, iron, lead, and manganese). The seven exceedances in MW-13 were also the highest concentrations

for those respective analytes exhibited in any of the December 2024 groundwater samples.

After MW-13, all other wells exhibited three or less dissolved metals analyte concentrations above their respective criteria in 2024. This was continued in May 2026 with exceedances only of iron and manganese in one of the three wells (MW-48 and its duplicate). With metal criteria exceedances in most wells, the extent of select metals impact above criteria in groundwater is across a majority of the site.

10.4 General Chemistry

Consistent with the sampling methodology for metals, general chemistry also was analyzed on a limited number of wells (22 wells) during the May 2026 sampling event. The wells designated for general chemistry analyses included wells that would aid in the RAA Report development and wells installed in the last few years with limited general chemistry data available. In addition, wells MW-1, MW-13, and MW- 21 also were analyzed for pH as historical data had exhibited levels outside of the acceptable pH range.

To provide a representative evaluation of the nature and extent of general chemistry impact in groundwater, the analytical results from May 2026 were evaluated with the analytical results from the more extensive groundwater sampling event in December 2024.

General chemistry parameters included total acidity, total alkalinity, chloride, nitrate, pH, conductivity, sulfate, total dissolved solids, and turbidity. The general chemistry criteria exceedances were similar to historical sampling data. As summarized on Table 4 (2026 data only), sulfate was the most prevalent of the general chemistry parameters to exceed criteria (250 mg/L) with exceedances in over 60% of the wells between the two sampling events. The elevated sulfate levels were anticipated in groundwater as ammonium sulfate is produced as a by-product during removal of ammonia from raw coke oven gas. Consistent with the elevated VOC and SVOC concentrations in well MW-13, the sulfate concentration (2,310 mg/L) in MW-13 in December 2024 was the highest of all the groundwater samples, and the pH (2.44 [HF]) in MW-13 was the lowest of all the groundwater samples. Although sulfate was not analyzed in MW-13 in May 2026, pH was analyzed and the result (pH = 2.5) was consistent with historical values.

10.5 Non-Aqueous Phase Liquid

During implementation of the recent field activities, measurements of both LNAPL and DNAPL were completed in the Tank Farm Area. The individual or multiple sources of the NAPL were not identified in the Tank Farm Area as it could be from multiple tanks and/or transmission lines beneath the ground surface.

Measurable thicknesses of DNAPL were observed in seven of the groundwater wells in the Tank Farm Area in May 2026 (Table 3). Measurements were collected prior to implementing the comprehensive groundwater sampling event. LNAPL was not observed in any of the monitoring wells. MW-26S continued to exhibit the greatest thickness of DNAPL with four feet in May followed

by MW- 34D (1.90 feet), MW-9D (1.85 feet), MW-27D (1.85 feet), MW-10S (0.80 feet), MW-36D (0.25 feet), and MW-26D (0.05 feet). DNAPL thickness remained consistent between May 2026 and the previous measurements in June 2025.

After reviewing the latest NAPL measurements on Table 3 and their locations, it continues to appear that there may be a preferential pathway for DNAPL. The wells with the greatest DNAPL thicknesses are in a fairly straight line through the middle of the Tank Farm Area with the greatest thicknesses being at the western (1.85 feet in MW-9D), mid-point (4 feet in MW-26S), and eastern (1.90 feet in MW-34D) limits of the Tank Farm in May 2026. The preferential pathway could be attributed to utility or transfer piping serving as a conduit beneath the Tank Farm. No subsurface historical mapping plans of the Tank Farm Area have been located for review.

One thing of note when measuring the DNAPL across the site is the different physical properties of the DNAPL. In some borings, the nature of the encountered DNAPL was more viscous and 'sticky' whereas other encountered DNAPL was less viscous and appeared more mobile. Unfortunately, there is no documentation of where these DNAPL characteristics were encountered as the differences in the DNAPLs were not observed until near the end of the previous investigation activities.

Although there is a limited amount of accurate DNAPL data available, a DNAPL location map was developed for this report to provide a better understanding of the current limits of DNAPL in the Tank Farm area (Figure 8). The DNAPL limits on Figure 8 are consistent with the previous DNAPL map from 2025. Periodic monitoring in the future of the DNAPL in the Tank Farm Area will provide a better understanding of the movement and direction of the DNAPL toward the lakeshore.

Regardless of the chemical and physical properties of the DNAPL, the inferred DNAPL limit on Figure 8 conveys that measurable DNAPL is limited to the Tank Farm Area of the site and does not appear to be a threat to Lake Erie at the present time (discounting the dissolved phase migration discussed previously). The lack of DNAPL in groundwater down gradient wells MW- 38D, MW-22S, MW-22D, MW-21, and MW-23 support this conclusion.

11.0 DATA TRENDS

With completion of the May 2026 groundwater sampling event, an attempt was made to identify any laboratory analysis data trends that may be present in site groundwater. A multi-phase investigation of the site included installation and sampling of numerous monitoring wells between 2022 and 2026. Because of this, some wells (MW-1, MW-2, MW-5S/5D, MW-6S/6D, MW-7, MW-8S/8D, MW-9D, MW-10S, and MW-11S/D) have up to eight groundwater sampling events to identify possible data trends whereas others (MW-46 through MW-48) have only two groundwater sampling events.

For purposes of this cursory data trend evaluation, wells that had a minimum of four sampling events were evaluated for possible data trends in most instances. The data summary table shown on Table 6 is not all inclusive with respect to the extensive analytical suite analyzed since project inception. Rather, the analytes shown on the table have been selected as they are believed to be representative of the overall groundwater quality at the site and not clutter the function of the table with unnecessary data that has not driven historical investigations to date.

There was difficulty in identifying trends in many samples due to elevated and inconsistent analytical detection limits from the multiple laboratories used over the history of the site investigations. In some instances where an analyte was not detected at an elevated detection limit, other analytes in that same sample were still evaluated for possible data trends. If the other analytes exhibited a trend, that same trend was inferred to the other analyte in the sample that exhibited the elevated detection limit.

With 61 wells having between two and eight sampling events since 2022, there are numerous upward and downward data trends that were identified. Obviously, future sampling events would provide additional data to further corroborate (or contradict) the identified data trends. However, it should be noted that some of the trends are not significant and are within the error of sampling and instrument uncertainty. Future monitoring may corroborate minor increasing / decreasing trends or reveal itself as stable with minor fluctuations over time. A summary of identified data trends through May 2026 is summarized below.

Upward Data Trends by Well (*shaded orange on table)*:

- MW-10S (Benzene, Ethylbenzene, Toluene, Total Xylenes)
- MW-10D (Ethylbenzene)
- MW-12 (O-Xylene)
- MW-41 (Toluene, Total Xylenes)
- MW-45 (Benzene, Total Xylenes)

Upward Data Trends by Analyte (*shaded orange on table)*:

- Benzene (MW-10S, MW-45)
- Ethylbenzene (MW-10S, MW-10D)
- Toluene (MW-10S, MW-41)

- O-Xylene (MW-12)
- Total Xylenes (MW-41, MW-45)

Downward Data Trends by Well (*shaded green on table)*:

- MW-8S (Toluene)
- MW-8D (Ethylbenzene)
- MW-9S (Acenaphthylene)
- MW-15 (Benzene)
- MW-22S (O-Xylene, Toluene)
- MW-24 (Benzene)
- MW-27S (Fluorene, Phenanthrene)
- MW-31 (Benzene, Toluene, Total Xylenes, Naphthalene)
- MW-34S (Benzene, Toluene)
- MW-34D (Benzene, Toluene, Ethylbenzene, M&P-Xylene, Total Xylenes, Naphthalene)
- MW-36S (Acenaphthylene)
- MW-36D (Acenaphthylene, Naphthalene)
- MW-40 (Acenaphthylene, Naphthalene)
- MW-41 (Benzene, Naphthalene)

Downward Data Trends by Analyte (*shaded green on table)*:

- Benzene (MW-15, MW-24, MW-31, MW-34S, MW-34D, MW-41)
- Ethylbenzene (MW-8D, MW-34D)
- Toluene (MW-8S, MW-22S, MW-31, MW-34S, MW-34D)
- M&P-Xylene (MW-34D)
- O-Xylene (MW-22S)
- Acenaphthylene (MW-9S, MW-36S, MW-36D, MW-40, MW-41)
- Acenaphthene (MW-41)
- Phenanthrene (MW-27S)
- Naphthalene (MW-31, MW-34D, MW-36D, MW-40, MW-41)
- Fluorene (MW-27S)

Although most of the data trends identified above bring some value from an investigation perspective, they are strategic when evaluating future remedial alternatives. Identified trends become validated with additional groundwater data and can be used to formulate more refined preliminary remedial alternatives.

Obviously, the wells and analytes listed in the upward trend are more concerning than those listed with decreasing analytical concentration trends. It has been well documented since the initial environmental investigation activities in 2022 that there is an extensive network of small and large individual contaminant source areas throughout the site at varying depths and thicknesses. The remobilization into the groundwater of a small pocket or layer of contamination during intrusive

soil boring and/or well installation activities could cause a temporary increase in a particular contaminant concentration. Conversely, this same pocket or layer of contamination may have been cut off from the overburden aquifer during drilling activities causing a methodical decrease in contaminant levels. Increasing and decreasing groundwater elevations in a particular area can cause these same fluctuations in contaminant concentrations.

The primary focus of trending groundwater analyte concentrations is wells near the lakeshore, with MW-13 in the Industrial North Area providing the greatest concern with respect to overall contaminant concentrations. The high level of contamination in soil and groundwater in the MW-13 general area has been well documented and has consistently exhibited the highest benzene levels on site. However, it should be noted that the benzene level (370,000 µg/L) in May 2026 was the lowest since monitoring of the well began in 2024 and represented an approximate 41% decrease from December 2024 to May 2026.

Of the notable upward trends listed above, toluene is concerning in MW-41 which is off site in the Lampe Marina parking lot. The toluene and total xylenes concentrations have increased over six-fold since their installations in 2024. However, the benzene, ethylbenzene, acenaphthene, and naphthalene levels in the well have exhibited a downward trend in concentrations.

Another concerning upward trend is benzene in MW-45 in the Industrial North Area. Benzene levels have increased approximately five-fold from December 2024 (27,600 µg/L) to May 2026 (140,000 µg/L). Toluene and total xylenes experienced similar increases by at least three-fold in that same period in MW-45.

Although not indicative of a trend yet, the benzene levels in MW-2 located on site near the Lampe Marina have increased approximately four-fold from August 2024 (3,240 µg/L) to May 2026 (12,000 µg/L).

12.0 CONCLUSIONS

The conclusions below are provided in a bulletized format for ease of review and discussion. In general, and consistent with previous Michael Baker investigative reports, it has been concluded that the site is still considered a potential threat to human health and the environment. This previous conclusion has been expanded off site to the northern portions of the Lampe Marina parking lot after completion of 2024-2025 supplemental investigation activities and the most recent comprehensive groundwater sampling event in May 2026.

- Extensive pockets of fill and waste buried on a 96-acre (land parcels only) site approaching two hundred years of operational activity between the coke and prior industrial production has blended waste streams into multiple contaminant plumes in the overburden aquifer.

- VOCs were detected in almost 90% of the groundwater monitoring wells with VOC criteria exceedances in greater than 60% of the wells sampled. Consistent with historical groundwater results, benzene was the most prevalent VOC to exceed groundwater criteria (greater than 60% of the wells) with concentrations in many wells being several orders of magnitude above criteria.

- Although benzene impact in groundwater is extensive, it is not believed to be indicative of one source area plume. Rather, the benzene (and other analytes) impact in site groundwater is believed to be a comingling of multiple contaminant plumes from multiple source areas at varying depths (above and below water table).

- The most elevated VOC (primarily benzene) were located in:
    - Lampe Marina Area - North (MW-12, MW-15, and MW-41 areas)
    - Lampe Marina Area – South (MW-2 and MW-16 areas)
    - Industrial North Area (MW-13 and MW-45 areas)
    - Industrial South Area – Central Region (MW-29 area)
    - Tank Farm Area (multiple shallow/deep wells)

- Regardless of the number of independent or comingling contaminant plumes across the site, contamination in the overburden aquifer is migrating toward Lake Erie along a majority of the more than 2,000 feet of shoreline that abuts the site. The only exceptions would be in the area near well MW-33, between MW-13 and MW-19S, and between MW-46 and the Lampe Marina area.

- The VOC and SVOC migrations off site are not limited to the lakeshore as groundwater contamination also is present beneath the Lampe Marina parking lot (i.e., MW-39, MW-40 and MW-41).

- At least one SVOC analyte was detected in 98% of the sampled groundwater monitoring wells with SVOC criteria exceedances exhibited in approximately 51% of the wells. As expected from historical groundwater analytical results, PAHs were the most common of

the SVOCs to be detected and exceed criteria in the monitoring wells during the May 2026 sampling event and also previous sampling events.

- The most elevated SVOC concentrations in groundwater were primarily located in:
    - Lampe Marina Area (MW-15, MW-16, MW-40, and MW-41 areas)
    - Northwest of the Tank Farm (MW-11D area)
    - Industrial South Area – Central Region (MW-29 area)
    - Industrial South Area – East Region (MW-34S/D area)
    - Tank Farm Area (multiple shallow/deep wells).

- Similar to benzene, the resulting mapping of SVOCs depicts the site as a function of several smaller individual source areas contributing to the overall poor groundwater quality beneath the site.

- The contamination observed in soil and groundwater in the vicinity of wells MW-13 and MW-45 in the Industrial North Area is believed to have two sources at a minimum. One source being the wastes and fill material used to continually fill in low areas and extend the shoreline to expand Erie Coke's historical operational area. The other source is believed to be from poor housekeeping of railcars, equipment, and/or trucks along the various rail spurs in this, and other areas, on site. With MW-13 being the most contaminated well on site (with respect to VOCs), having manmade contamination at depths above and below the water table, its presence near the lakeshore, and the identification of wastes nearby along the lakeshore bluff/edge, corroborates the conclusion of potentially multiple contaminant sources. MW-13 continues to be the most concerning well on site for the reasons above.

- It appears that there may be a preferential pathway for DNAPL. The wells with the greatest DNAPL thicknesses are in a fairly straight line through the middle of the Tank Farm Area. The preferential pathway could be attributed to utility or transfer piping serving as a conduit beneath the Tank Farm. The DNAPL is limited to the Tank Farm Area of the site and does not appear to be a threat to Lake Erie at the present time (discounting the dissolved phase migration discussed previously)
- Slug testing indicated relatively high hydraulic conductivity coupled with a very low hydraulic gradient, resulting in a moderate groundwater flow velocity and limited potential for lateral contaminant migration. Stated differently, although the aquifer can have fast groundwater flowing through it, the very modest slope of the groundwater slows down the flow to be just moderate across the site.

13.0 RECOMMENDATIONS

An extensive volume of analytical, geological, and hydrogeological data from multiple investigations has been generated from project inception in 2022 to completion of the most recent groundwater sampling event in May 2026. From this extensive database and observations made during all facets of the investigations, recommendations for further investigation work at the site are as follows:

- Continued periodic (annual) monitoring of select groundwater wells on and off site. Wells that do not have a history of contaminant impact, or bring little value to future monitoring, would not be included in the proposed sampling network. The primary focus will be on wells with limited historical data and wells in the Lampe Marina Area, Industrial North Area, and the Tank Farm Area where independent groundwater contaminant plumes are migrating toward Lake Erie.

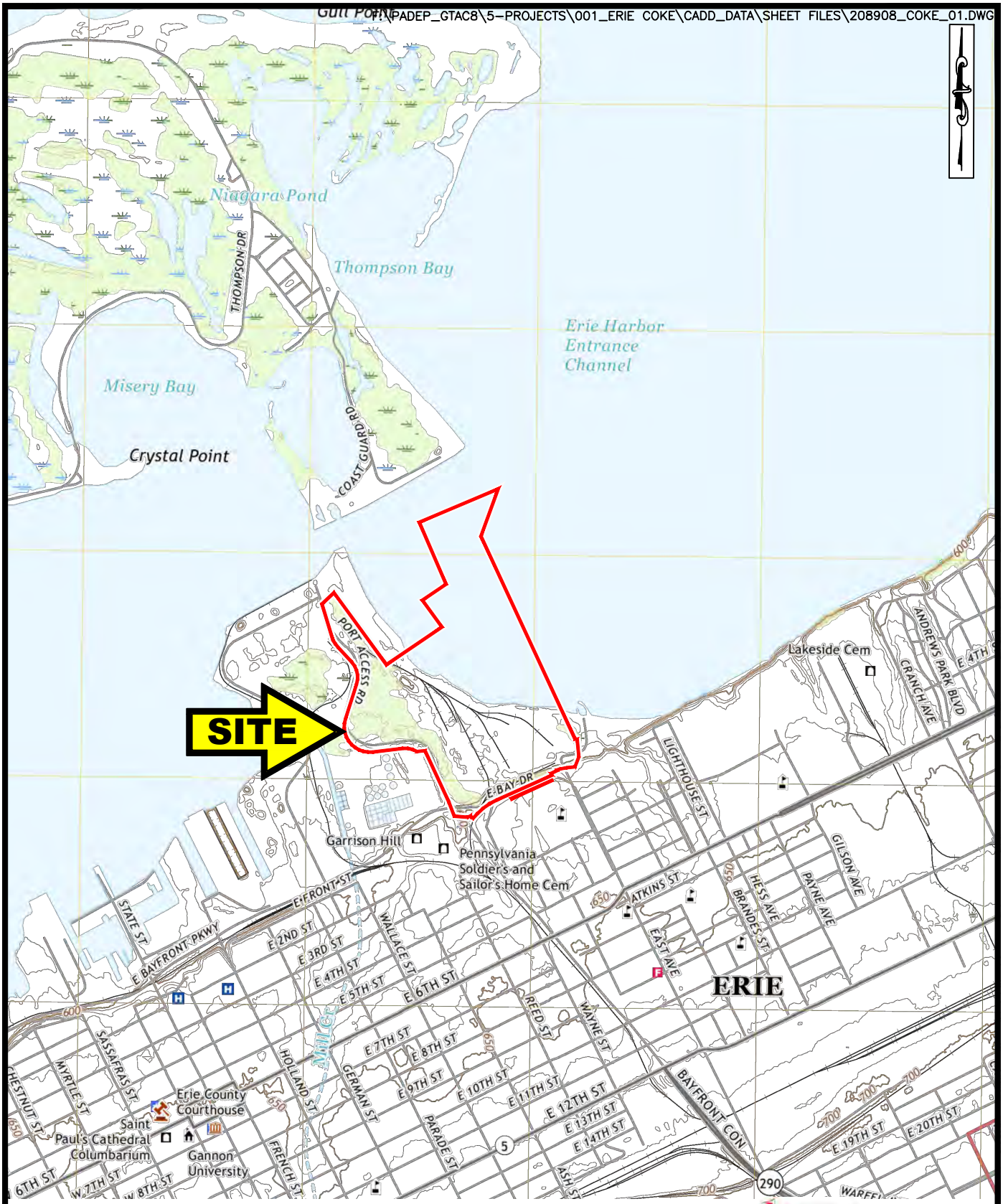
- Although groundwater monitoring is recommended for only select wells on and off site, it still is recommended that water levels continue to be collected from all 61 wells on and off site to provide more precise groundwater flow mapping and allow for a possible correlation evaluation between contaminant concentrations in groundwater and groundwater elevations.

- Continued periodic (annual) monitoring of DNAPL in the Tank Farm Area and associated wells is recommended using the same methodology used in May 2026 (rigid piping and string method) to monitor potential DNAPL movement toward the lakeshore.

- Because metal detections are ubiquitous throughout the site and are not the primary focus of the previous multiple investigations, it is recommended that total and dissolved metals analyses be eliminated from future monitoring on site. This same recommendation also is proposed for a limited number of general chemistry analyses on select wells except for pH.

- Continued development of a Remedial Alternatives Analysis (RAA) Report for prioritized areas designated by the Department. The focus of the report will be to identify, prioritize, define, and delineate areas of concern throughout the site and provide multiple alternatives to remediate the designated areas. It is understood that as part of the RAA process, the Department will continue to have periodic correspondence with the Erie Port Authority (current property owners) to provide input on their own prioritization for future development of select areas of the site.

FIGURES



LEGEND

—PROPERTY BOUNDARY (2023)

SOURCE:
USGS: ERIE NORTH, PA; 2019

FIGURE 1
SITE LOCATION MAP
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

QUADRANGLE LOCATION

SCALE:	0 — 2000	DATE:	SEPTEMBER 2026
S.O. NO.:	208908	FILE:	208908_COKE_01
DSN/DWN:	DMG/RRR	CHK:	CHK

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SCALE: 0 500

S.O. NO.: 208908

DSN/DWN: CHK/RRR

DATE: SEPTEMBER 2026

FILE: 208908_COKE_02

CHK: CHK

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FIGURE 2
SITE FEATURES MAP
ERIE COKE SITE
ERIE COUNTY, PENNSYLVANIA

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LAKE ERIE

MW-14
MW-12
MW-39
MW-40
MW-44
MW-15
MW-41
MW-28
MW-16
MW-43
MW-2
MW-42
SP-1
MW-37
MW-17
MW-46
MW-13
MW-45
MW-1
SP-2
MW-19S/D
SP-3
MW-23
MW-11S/D
MW-20
MW-38D
MW-22S/D
MW-21
MW-8S/D
MW-5S/D
MW-26S/D
MW-10S/D
MW-35S/D
MW-34S/D
MW-33
MW-24
MW-9S/D
MW-27S/D
MW-25
MW-36S/D
MW-31
MW-6S/D
MW-47
MW-29
MW-32
MW-30
MW-4
MW-48
MW-7
MW-18
MW-3

LEGEND

- —MONITORING WELL
- —WELLS NOT DESIGNATED FOR SAMPLING IN JUNE 2025
- —STANDPIPE
- —PROPERTY BOUNDARY (2023)

NOTE:
DEEP MONITORING WELLS NOT SHOWN FOR CLARITY.

IMAGE SOURCE: GOOGLE; 04/2022

SCALE:	0 300
DATE:	OCTOBER 2026
DSN/DWN:	CHK/RRR
FILE:	208908_COKE_06

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FIGURE 3
GROUNDWATER MONITORING WELL LOCATION MAP
ERIE COKE SITE
ERIE, PENNSYLVANIA

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ID	AVERAGE HYDRAULIC CONDUCTIVITY (FEET/DAY)	GROUNDWATER ELEVATION
MW-1	95.61	572.85
MW-2		573.66
MW-3		574.88
MW-4	3.44	578.3
MW-5S	16.82	575.32
MW-5D	15.67	
MW-6S		575.72
MW-7	20.47	576.34
MW-8S		574.69
MW-9S	6.81	576.45
MW-10S		574.55
MW-11S		573.24
MW-12		573.52
MW-13		572.88
MW-14		572.84
MW-15		574.94
MW-16		574.15
MW-17	11.33	574.13
MW-18	35.13	574.86
MW-19S		573.07
MW-20		573.77
MW-21		573.03
MW-22S	56.14	573.26
MW-22D	68.79	
MW-23		573.07
MW-24		576.02
MW-25		576.24
MW-26S		574.66
MW-27S		575.78
MW-28	56.16	573.86
MW-29		575.44
MW-30		574.68
MW-31		574.68
MW-32		573.8
MW-33	9.63	573.48
MW-34S		573.89
MW-35S		576.02
MW-35D	15.91	
MW-36S		576.98
MW-37	68.13	573.57
MW-39		573.41
MW-40		573.37
MW-42		573.67
MW-41		573.82
MW-43		573.59
MW-44	10.17	572.7
MW-45		573.12
MW-46		572.88
MW-47		573.56
MW-48		574.7
SP-1		N/A
SP-2		N/A
SP-3		572.16

LEGEND
- MONITORING WELL
- STANDPIPE
- 578.30 – GROUNDWATER ELEVATION
- 578 – GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- PROPERTY BOUNDARY (2023)

NOTE:
DEEP MONITORING WELLS NOT SHOWN FOR CLARITY.

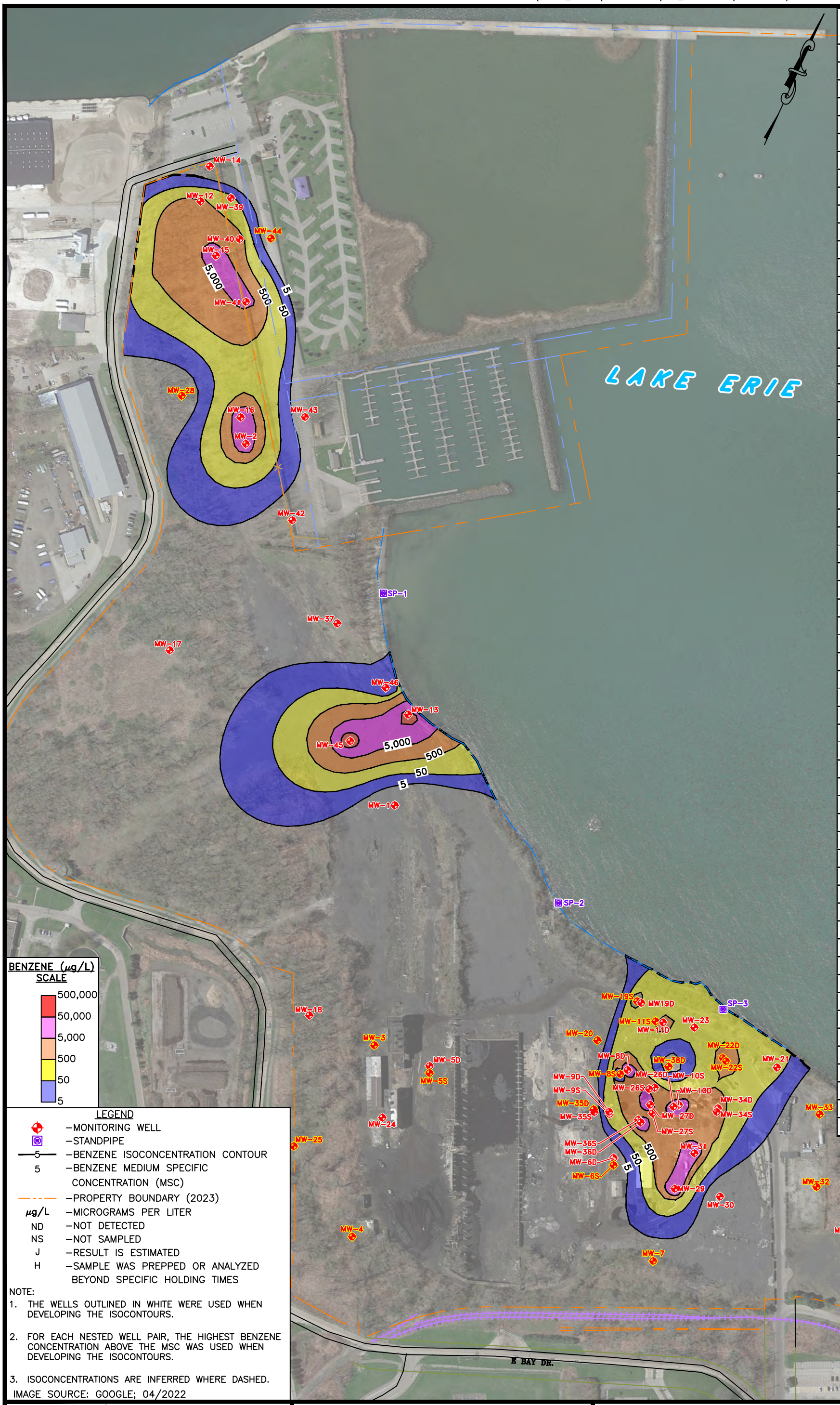
IMAGE SOURCE: GOOGLE; 04/2022

SCALE:	0 300
DATE:	OCTOBER 2026
DSN/DWN:	CHK/RRR
FILE:	208908_GW26-MAY

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FIGURE 4
GROUNDWATER ELEVATION CONTOUR MAP
MAY 2026
ERIE COKE SITE
ERIE, PENNSYLVANIA

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ID	BENZENE (µg/L)
MW-1	0.15 J
MW-2	12,000
MW-3	NS
MW-4	NS
MW-5S	ND
MW-5D	0.13 J
MW-6S	ND
MW-6D	ND
MW-7	NS
MW-8S	34
MW-8D	6,300
MW-9S	190
MW-9D	110
MW-10S	10,000
MW-10D	12,000 H
MW-11S	210
MW-11D	2,500 H
MW-12	2,500
MW-13	370,000
MW-14	ND
MW-15	12,000
MW-16	10,000
MW-17	ND
MW-18	ND
MW-19S	0.25 J
MW-19D	190
MW-20	NS
MW-21	85 H
MW-22S	580
MW-22D	2,400
MW-23	300
MW-24	8.6
MW-25	NS
MW-26S	13,000
MW-26D	5,000
MW-27S	1,000 H
MW-27D	13,000
MW-28	ND
MW-29	11,000
MW-30	0.16 J
MW-31	9,100
MW-32	NS
MW-33	ND
MW-34S	1,000 H
MW-34D	1,200
MW-35S	1.6
MW-35D	ND
MW-36S	5,000 H
MW-36D	5,900 H
MW-37	0.61
MW-38D	ND
MW-39	55
MW-40	3,800
MW-41	15,000
MW-42	1.5
MW-43	1.4
MW-44	ND
MW-45	140,000
MW-46	24
MW-47	ND
MW-48	4.5

BENZENE (µg/L) SCALE

500,000
50,000
5,000
500
50
5

LEGEND

- —MONITORING WELL
- —STANDPIPE
- 5 —BENZENE ISOCONCENTRATION CONTOUR
- 5 —BENZENE MEDIUM SPECIFIC CONCENTRATION (MSC)
- —PROPERTY BOUNDARY (2023)
- µg/L —MICROGRAMS PER LITER
- ND —NOT DETECTED
- NS —NOT SAMPLED
- J —RESULT IS ESTIMATED
- H —SAMPLE WAS PREPPED OR ANALYZED BEYOND SPECIFIC HOLDING TIMES

NOTE:

1. THE WELLS OUTLINED IN WHITE WERE USED WHEN DEVELOPING THE ISOCONTOURS.
2. FOR EACH NESTED WELL PAIR, THE HIGHEST BENZENE CONCENTRATION ABOVE THE MSC WAS USED WHEN DEVELOPING THE ISOCONTOURS.
3. ISOCONCENTRATIONS ARE INFERRED WHERE DASHED.

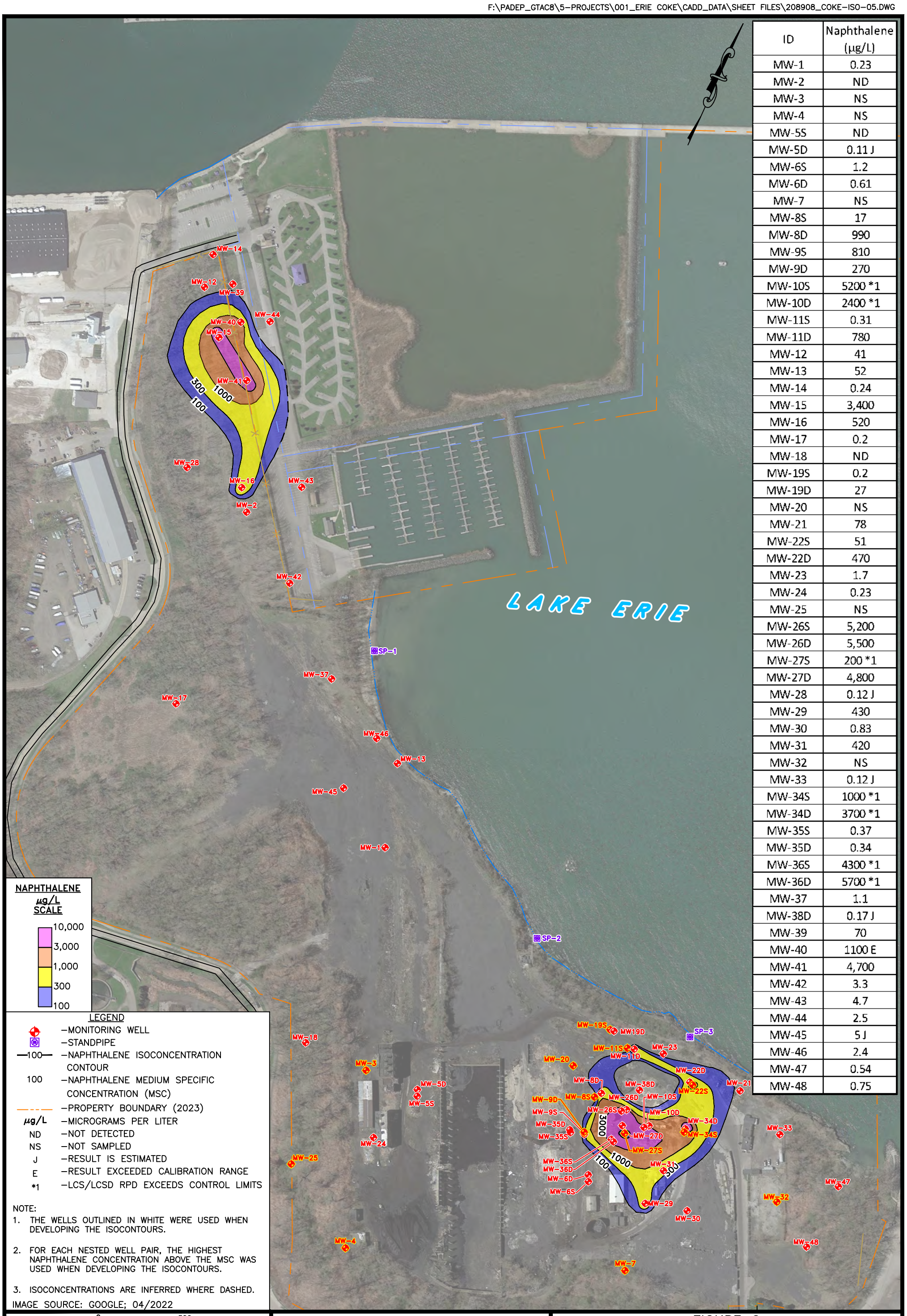
IMAGE SOURCE: GOOGLE; 04/2022

SCALE:	0 300
DATE:	OCTOBER 2026
DSN/DWN:	CHK/RRR
FILE:	208908_COKE-ISO-04

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FIGURE 5
BENZENE ISOCONCENTRATION MAP
MAY 2026
ERIE COKE SITE
ERIE, PENNSYLVANIA

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ID	Naphthalene (µg/L)
MW-1	0.23
MW-2	ND
MW-3	NS
MW-4	NS
MW-5S	ND
MW-5D	0.11 J
MW-6S	1.2
MW-6D	0.61
MW-7	NS
MW-8S	17
MW-8D	990
MW-9S	810
MW-9D	270
MW-10S	5200 *1
MW-10D	2400 *1
MW-11S	0.31
MW-11D	780
MW-12	41
MW-13	52
MW-14	0.24
MW-15	3,400
MW-16	520
MW-17	0.2
MW-18	ND
MW-19S	0.2
MW-19D	27
MW-20	NS
MW-21	78
MW-22S	51
MW-22D	470
MW-23	1.7
MW-24	0.23
MW-25	NS
MW-26S	5,200
MW-26D	5,500
MW-27S	200 *1
MW-27D	4,800
MW-28	0.12 J
MW-29	430
MW-30	0.83
MW-31	420
MW-32	NS
MW-33	0.12 J
MW-34S	1000 *1
MW-34D	3700 *1
MW-35S	0.37
MW-35D	0.34
MW-36S	4300 *1
MW-36D	5700 *1
MW-37	1.1
MW-38D	0.17 J
MW-39	70
MW-40	1100 E
MW-41	4,700
MW-42	3.3
MW-43	4.7
MW-44	2.5
MW-45	5 J
MW-46	2.4
MW-47	0.54
MW-48	0.75

NAPHTHALENE µg/L SCALE

- 10,000
- 3,000
- 1,000
- 300
- 100

LEGEND

- —MONITORING WELL
- —STANDPIPE
- —100— —NAPHTHALENE ISOCONCENTRATION CONTOUR
- 100 —NAPHTHALENE MEDIUM SPECIFIC CONCENTRATION (MSC)
- ——— —PROPERTY BOUNDARY (2023)
- µg/L —MICROGRAMS PER LITER
- ND —NOT DETECTED
- NS —NOT SAMPLED
- J —RESULT IS ESTIMATED
- E —RESULT EXCEEDED CALIBRATION RANGE
- *1 —LCS/LCSD RPD EXCEEDS CONTROL LIMITS

NOTE:

1. THE WELLS OUTLINED IN WHITE WERE USED WHEN DEVELOPING THE ISOCONTOURS.
2. FOR EACH NESTED WELL PAIR, THE HIGHEST NAPHTHALENE CONCENTRATION ABOVE THE MSC WAS USED WHEN DEVELOPING THE ISOCONTOURS.
3. ISOCONCENTRATIONS ARE INFERRED WHERE DASHED.

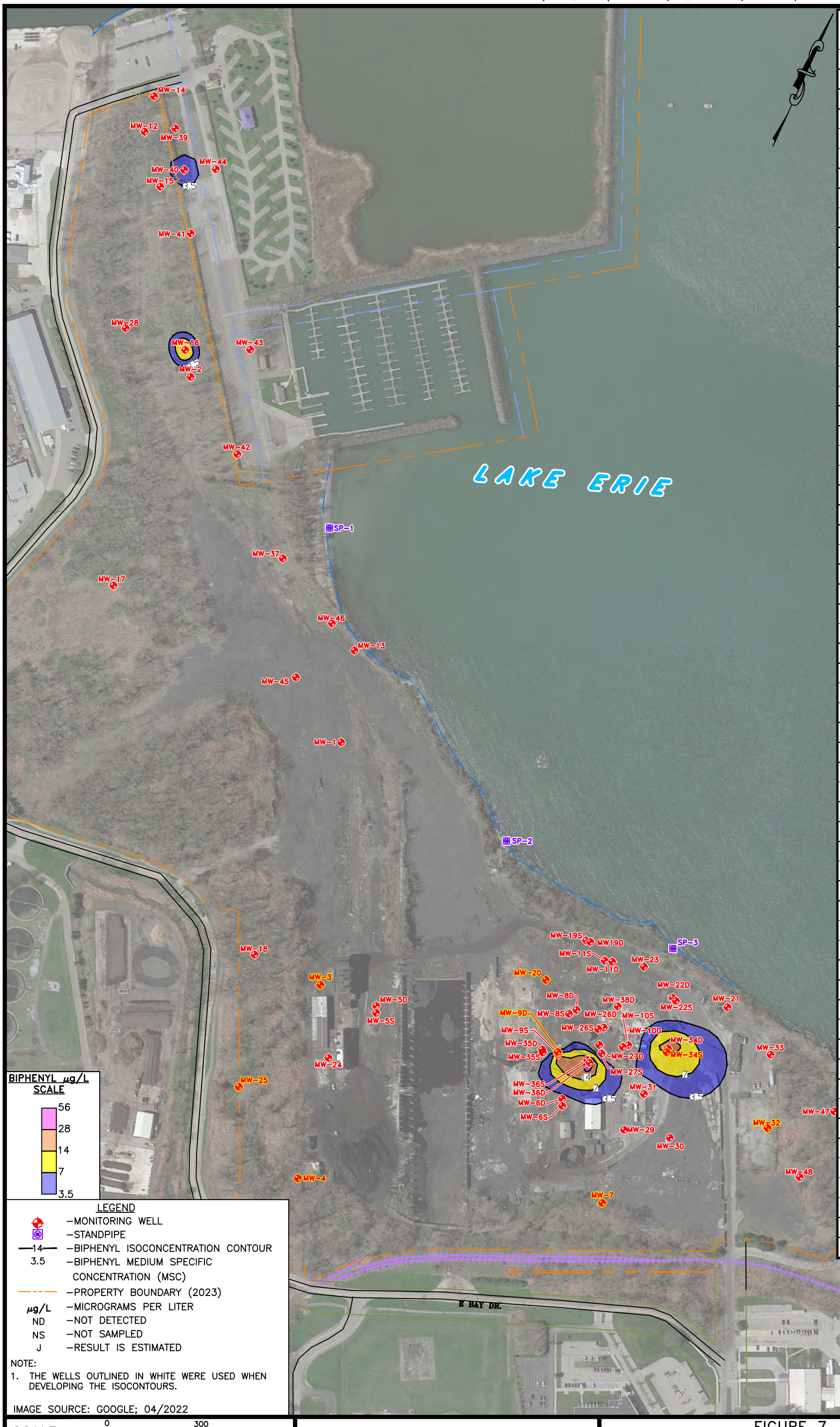
IMAGE SOURCE: GOOGLE; 04/2022

SCALE:	0 300
DATE:	OCTOBER 2026
DSN/DWN:	CHK/RRR
FILE:	208908_COKE-ISO-05

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FIGURE 6
NAPHTHALENE ISOCONCENTRATION MAP
MAY 2026
ERIE COKE SITE
ERIE, PENNSYLVANIA

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BIPHENYL µg/L SCALE

56
28
14
7
3.5

LEGEND

- —MONITORING WELL
- —STANDPIPE
- 14 —BIPHENYL ISOCONCENTRATION CONTOUR
- 3.5 —BIPHENYL MEDIUM SPECIFIC CONCENTRATION (MSC)
- —PROPERTY BOUNDARY (2023)
- µg/L —MICROGRAMS PER LITER
- ND —NOT DETECTED
- NS —NOT SAMPLED
- J —RESULT IS ESTIMATED

NOTE:

1. THE WELLS OUTLINED IN WHITE WERE USED WHEN DEVELOPING THE ISOCONTOURS.

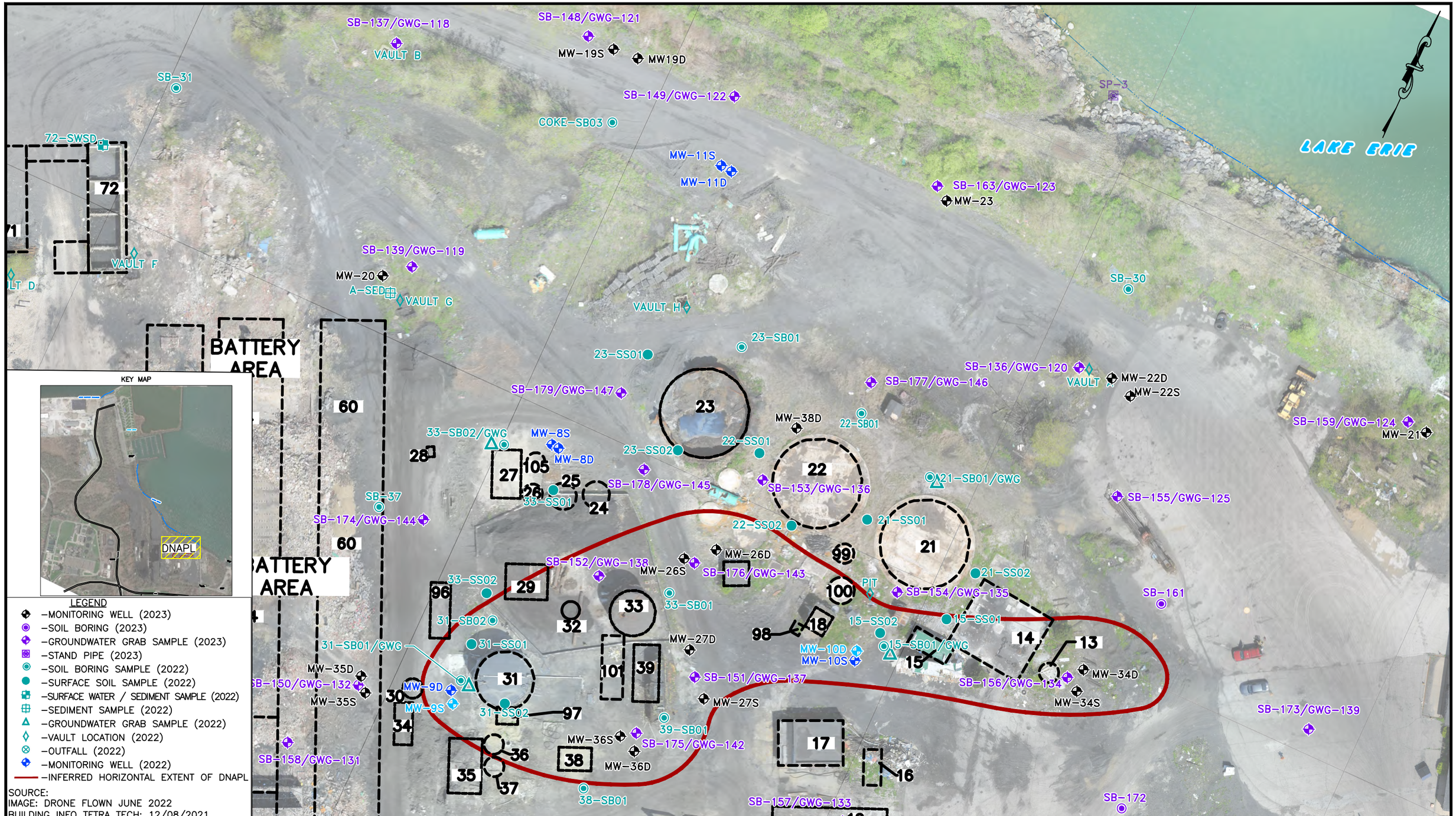
IMAGE SOURCE: GOOGLE; 04/2022

ID	Biphenyl (µg/L)
MW-1	ND
MW-2	ND
MW-3	NS
MW-4	NS
MW-5S	ND
MW-5D	ND
MW-6S	ND
MW-6D	ND
MW-7	NS
MW-8S	ND
MW-8D	ND
MW-9S	20 J
MW-9D	ND
MW-10S	ND
MW-10D	ND
MW-11S	0.97 J
MW-11D	ND
MW-12	ND
MW-13	ND
MW-14	ND
MW-15	ND
MW-16	7.4 J
MW-17	ND
MW-18	ND
MW-19S	ND
MW-19D	0.6 J
MW-20	NS
MW-21	ND
MW-22S	0.64 J
MW-22D	ND
MW-23	0.16 J
MW-24	ND
MW-25	NS
MW-26S	ND
MW-26D	ND
MW-27S	2.8 J
MW-27D	ND
MW-28	ND
MW-29	ND
MW-30	ND
MW-31	ND
MW-32	NS
MW-33	ND
MW-34S	11 J
MW-34D	28 J
MW-35S	ND
MW-35D	ND
MW-36S	23 J
MW-36D	35 J
MW-37	ND
MW-38D	ND
MW-39	1.1 J
MW-40	6.6 J
MW-41	ND
MW-42	ND
MW-43	ND
MW-44	ND
MW-45	ND
MW-46	ND
MW-47	ND
MW-48	0.58 J

SCALE:	0 300
DATE:	OCTOBER 2026
DSN/DWN:	CHK/RRR
FILE:	208908_COKE-ISO-06

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FIGURE 7
BIPHENYL ISOCONCENTRATION MAP
MAY 2026
ERIE COKE SITE
ERIE, PENNSYLVANIA



SCALE: 0 50 1" = 50'
S.O. NO.: 208908
DSN/DWN: CHK/RRR
DATE: OCTOBER 2026
FILE: 208908_COKE_05
CHK: CHK

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FIGURE 8
DENSE NON-AQUEOUS PHASE LIQUID (DNAPL) LOCATION MAP
MAY 2026
ERIE COKE SITE
ERIE, PENNSYLVANIA

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TABLES

TABLE 1

GROUNDWATER MONITORING WELL SURVEY DATA - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well / Standpipe	Northing	Easting	Ground Surface Elevation (MSL) [1]	Top of Casing Elevation		Depth to Water (TOC-PVC)	Groundwater Elevation (MSL)	Approximate Well Screen Interval	
				(Steel)	(PVC)			(BGS)	(MSL)
MW-1	729,566.90	1,338,421.29	579.50	582.50	582.09	9.24	572.85	5 - 15	574.5 - 564.5
MW-2	730,434.14	1,337,495.97	581.67	584.82	584.59	10.93	573.66	8 - 18	573.7 - 563.7
MW-3	728,830.75	1,338,682.82	581.15	584.32	584.06	9.18	574.88	5 - 15	576.2 - 566.2
MW-4	728,235.60	1,338,874.27	581.41	584.45	584.26	5.96	578.30	5 - 15	576.4 - 566.4
MW-5S	728,822.68	1,338,882.83	583.11	586.21	586.05	10.73	575.32	5 - 15	578.1 - 568.1
MW-5D	728,827.82	1,338,880.99	583.14	586.19	586.02	10.73	575.29	10 - 20	573.1 - 563.1
MW-6S	728,798.13	1,339,550.54	589.57	592.89	592.54	16.82	575.72	10 - 20	579.6 - 569.6
MW-6D	728,802.44	1,339,548.32	589.59	592.82	592.55	16.82	575.73	15 - 25	574.6 - 564.6
MW-7	728,567.85	1,339,796.16	585.58	588.56	588.33	11.99	576.34	8 - 18	577.6 - 567.6
MW-8S	729,097.94	1,339,460.18	586.91	590.01	589.87	15.18	574.69	8 - 18	578.9 - 568.9
MW-8D	729,097.60	1,339,464.41	586.87	589.90	589.85	16.06	573.79	14 - 24	572.9 - 562.9
MW-9S	728,943.16	1,339,469.71	588.55	591.64	591.32	14.87	576.45	8 - 18	580.6 - 570.6
MW-9D	728,949.59	1,339,465.73	587.99	590.99	590.93	16.05	574.88	15 - 25	573.0 - 563.0
MW-10S	729,058.11	1,339,664.17	587.68	590.77	590.60	16.05	574.55	10 - 20	577.7 - 567.7
MW-10D	729,063.36	1,339,662.90	587.85	590.59	590.24	15.69	574.55	14 - 24	573.9 - 563.9
MW-11S	729,278.97	1,339,481.85	585.54	588.57	588.43	15.19	573.24	8 - 18	577.5 - 567.5
MW-11D	729,278.30	1,339,488.31	585.50	588.56	588.44	15.24	573.20	13 - 23	572.5 - 562.5
MW-12	731,089.58	1,337,036.44	581.70	584.64	584.52	11.00	573.52	9 - 19	572.7 - 562.7
MW-13	729,852.67	1,338,338.62	581.48	584.49	584.40	11.52	572.88	6 - 16	575.48 - 565.48
MW-14	731,205.43	1,337,016.78	579.96	583.17	582.72	9.88	572.84	9 - 19	571.0 - 561.0
MW-15	730,949.94	1,337,155.12	581.02	584.16	583.81	8.87	574.94	6 - 16	575.0 - 565.0
MW-16	730,505.69	1,337,444.78	582.09	585.20	584.87	10.72	574.15	4 - 14	578.1 - 568.1
MW-17	729,722.61	1,337,548.16	585.70	589.01	588.70	14.57	574.13	8 - 18	577.7 - 567.7
MW-18	728,831.56	1,338,450.69	577.90	580.89	580.49	5.63	574.86	6 - 16	571.9 - 561.9

TABLE 1

GROUNDWATER MONITORING WELL SURVEY DATA - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well / Standpipe	Northing	Easting	Ground Surface Elevation (MSL) [1]	Top of Casing Elevation		Depth to Water (TOC-PVC)	Groundwater Elevation (MSL)	Approximate Well Screen Interval	
				(Steel)	(PVC)			(BGS)	(MSL)
MW-19S	729,313.21	1,339,400.18	585.09	588.34	587.84	14.77	573.07	8 - 18	577.1 - 567.1
MW-19D	729,314.14	1,339,414.62	585.16	588.49	588.00	14.90	573.10	15 - 25	570.2 - 560.2
MW-20	729,144.70	1,339,335.11	587.97	591.15	590.80	17.03	573.77	9 - 19	579.0 - 569.0
MW-21	729,306.15	1,339,902.04	589.31	592.37	592.05	19.02	573.03	12 - 22	577.3 - 567.3
MW-22S	729,256.18	1,339,743.16	586.42	589.75	589.39	16.13	573.26	8 - 18	578.4 - 568.4
MW-22D	729,261.09	1,339,729.66	586.37	589.61	589.20	16.01	573.19	16 - 26	570.4 - 560.4
MW-23	729,313.14	1,339,604.61	586.19	589.45	589.09	16.02	573.07	10 - 20	576.2 - 566.2
MW-24	728,627.83	1,338,803.72	580.83	583.84	583.74	7.72	576.02	6 - 16	574.8 - 564.8
MW-25	728,424.65	1,338,580.40	579.28	582.29	581.96	5.72	576.24	6 - 16	573.3 - 563.3
MW-26S	729,070.46	1,339,553.82	587.45	590.71	590.37	15.71	574.66	10.5 - 20.5	576.9 - 566.9
MW-26D	729,082.39	1,339,568.07	587.87	590.89	590.58	15.90	574.68	13.5 - 23.5	574.4 - 564.4
MW-27S	729,003.73	1,339,596.23	588.19	591.42	591.27	15.49	575.78	5 - 15	583.2 - 573.2
MW-27D	729,025.32	1,339,577.73	587.78	591.11	590.80	15.38	575.42	12 - 22	575.8 - 565.8
MW-28	730,490.36	1,337,241.85	580.17	583.34	583.00	9.14	573.86	5 - 15	575.2 - 565.2
MW-29	728,810.38	1,339,763.16	588.95	592.28	591.90	16.46	575.44	13 - 23	576.0 - 566.0
MW-30	728,848.03	1,339,907.16	586.99	590.28	589.89	15.21	574.68	9 - 19	578.0 - 568.0
MW-31	728,941.55	1,339,773.88	588.22	591.77	591.36	16.68	574.68	12 - 22	576.2 - 566.2
MW-32	729,006.18	1,340,179.56	588.66	591.96	591.71	17.91	573.80	13 - 23	575.7 - 565.7
MW-33	729,224.86	1,340,091.47	587.17	590.47	590.28	16.80	573.48	10 -20	577.2 - 567.2
MW-34S	729,093.74	1,339,784.16	587.27	590.45	589.98	16.09	573.89	7 - 17	580.3 - 570.3
MW-34D	729,106.25	1,339,782.60	587.56	590.84	590.40	16.46	573.94	12 -22	575.6 - 565.6
MW-35S	728,928.49	1,339,422.67	589.62	592.61	592.22	16.20	576.02	6.5 - 16.5	582.9 - 572.9
MW-35D	728,936.04	1,339,416.72	589.60	592.54	592.19	17.12	575.07	17 - 27	572.6 - 562.6
MW-36S	728,965.37	1,339,562.38	589.06	592.09	591.80	14.82	576.98	6 - 16	583.1 - 573.1
MW-36D	728,960.92	1,339,573.03	589.47	592.58	592.19	16.45	575.74	14 - 24	575.5 - 565.5

TABLE 1

GROUNDWATER MONITORING WELL SURVEY DATA - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well / Standpipe	Northing	Easting	Ground Surface Elevation (MSL) [1]	Top of Casing Elevation		Depth to Water (TOC-PVC)	Groundwater Elevation (MSL)	Approximate Well Screen Interval	
				(Steel)	(PVC)			(BGS)	(MSL)
MW-37	730,026.54	1,338,006.94	579.15	582.34	582.10	8.53	573.57	5 - 15	574.2 - 564.2
MW-38D	729,162.79	1,339,580.81	587.43	590.40	590.10	16.58	573.52	13 - 23	574.4 - 564.4
MW-39	731,139.95	1,337,121.94	580.17	580.19	579.86	6.45	573.41	9 - 19	571.2 - 561.2
MW-40	731,030.58	1,337,202.78	580.75	580.73	580.31	6.94	573.37	8 - 18	572.8 - 562.8
MW-41	730,853.38	1,337,305.76	581.48	581.44	581.04	7.22	573.82	6 - 16	575.5 - 565.5
MW-42	730,270.41	1,337,735.23	579.83	583.29	582.83	9.16	573.67	6 - 16	573.8 - 563.8
MW-43	730,593.10	1,337,634.67	582.05	582.02	581.61	8.02	573.59	8 - 18	574.1 - 564.1
MW-44	731,074.59	1,337,294.51	580.99	580.97	580.67	7.97	572.70	5.5 - 15.5	575.3 - 565.3
MW-45	729,696.53	1,338,203.20	580.55	583.66	583.28	10.16	573.12	7 - 17	573.6 - 563.6
MW-46	729,902.06	1,338,236.75	580.75	583.60	583.22	10.34	572.88	5.5 - 15.5	575.25 - 565.25
MW-47	729,143.33	1,340,353.03	588.67	592.14	591.31	17.75	573.56	6.0 - 21.0	582.67 - 567.67
MW-48	728,905.63	1,340,339.26	587.23	590.09	589.69	14.99	574.70	10 - 20	577.33 - 567.33
SP-1 [2]	730,177.76	1,338,103.12	N/A	576.02	N/A	N/A	N/A	N/A	N/A
SP-2 [3]	729,498.06	1,339,035.98	N/A	574.21	N/A	N/A	N/A	N/A	N/A
SP-3	729,405.23	1,339,665.03	N/A	577.50	N/A	5.34	572.16	N/A	N/A

Notes:

BGS - Below Ground Surface
MSL - Mean Sea Level
N/A - Not Applicable / Not Available
TOC - Top of Casing

[1] Surface of each well's concrete pad was used for ground surface elevation.

[2] Water level measurements were not collected due to standpipe's location at the water's edge.

[3] Water level measurements were not collected because the standpipe was damaged and removed during the previous winter.

TABLE 2

SUMMARY OF AQUEOUS FIELD PARAMETER DATA - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well	Date Sampled	Temperature (C°)	Conductivity (µs/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)
Monitoring Well							
MW-1	5/13/26	10.6	0.650	1.56	11.47	2.40	-175.3
MW-2	5/12/26	10.6	1.610	0.13	6.91	1.90	-338.8
MW-3	NS	NS	NS	NS	NS	NS	NS
MW-4	NS	NS	NS	NS	NS	NS	NS
MW-5S	5/13/26	11.5	0.928	0.26	7.35	31.80	-171.1
MW-5D	5/13/26	11.6	1.214	0.25	7.40	43.40	-175.6
MW-6S	5/14/26	13.4	2.472	0.36	6.64	0.94	214.2
MW-6D	5/14/26	13.8	2.230	0.62	6.74	4.83	144.8
MW-7	NS	NS	NS	NS	NS	NS	NS
MW-8S	5/15/26	13.8	1.162	0.35	6.97	4.00	106.8
MW-8D	5/15/26	16.9	2.570	0.10	7.30	8.20	-353.2
MW-9S	5/18/26	16.2	1.705	0.09	6.96	1.40	-344.1
MW-9D	5/18/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-10S	5/19/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-10D	5/19/26	15.6	2.529	0.17	7.42	85.30	-387.8
MW-11S	5/14/26	13.8	1.244	0.20	8.38	9.60	-226.4
MW-11D	5/14/26	14.8	2.584	0.13	8.30	2.30	-289.1
MW-12	5/12/26	9.8	2.709	0.15	6.77	10.40	-207.3
MW-13	5/13/26	12.1	3.770	0.30	2.55	134.80	189.5
MW-14	5/12/26	10.5	1.784	0.23	6.86	4.80	-150.9
MW-15	5/12/26	10.4	1.062	0.41	7.99	14.42	-222.3
MW-16	5/12/26	10.4	1.077	0.27	6.72	3.10	-208.2
MW-17	5/13/26	12.3	3.395	0.19	6.79	1.89	-152.6
MW-18	5/13/26	10.2	2.460	0.16	7.02	11.90	-166.3
MW-19S	5/13/26	12.5	1.117	0.53	7.29	5.50	243.5
MW-19D	5/13/26	13.9	2.310	0.19	8.24	9.74	-214.2
MW-20	NS	NS	NS	NS	NS	NS	NS
MW-21	5/14/26	13.4	1.837	0.10	11.38	15.60	-360.8
MW-22S	5/14/26	12.8	2.817	0.18	8.62	6.77	-278.9
MW-22D	5/14/26	13.0	1.113	0.19	8.49	6.26	-233.3
MW-23	5/14/26	12.6	1.384	0.31	7.20	88.40	48.7
MW-24	5/13/26	11.1	1.214	0.22	7.05	9.13	-115.0
MW-25	NS	NS	NS	NS	NS	NS	NS
MW-26S	5/18/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-26D	5/18/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-27S	5/19/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-27D	5/18/26	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 2

SUMMARY OF AQUEOUS FIELD PARAMETER DATA - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well	Date Sampled	Temperature (C°)	Conductivity (µs/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Turbidity (NTU)	Oxidation-Reduction Potential (mV)
Monitoring Well							
MW-28	5/13/26	10.4	1.429	0.21	7.24	23.74	-197.5
MW-29	5/15/26	14.1	2.171	0.18	11.29	130.60	-450.6
MW-30	5/14/26	11.2	1.812	1.95	7.25	4.90	263.7
MW-31	5/15/26	14.8	2.460	0.19	8.48	9.41	-362.1
MW-32	NS	NS	NS	NS	NS	NS	NS
MW-33	5/14/26	11.5	1.612	0.97	7.57	2.70	260.2
MW-34S	5/19/26	14.9	1.679	0.10	2.33	6.50	-376.8
MW-34D	5/19/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-35S	5/15/26	12.6	1.863	0.55	7.17	3.74	244.0
MW-35D	5/15/26	13.8	3.368	0.20	7.28	3.71	195.9
MW-36S	5/19/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-36D	5/19/26	N/A	N/A	N/A	N/A	N/A	N/A
MW-37	5/13/26	11.4	1.226	1.72	6.93	6.59	57.2
MW-38D	5/14/26	12.1	1.740	0.30	6.82	8.98	238.0
MW-39	5/11/26	10.0	0.670	0.32	7.80	3.38	-187.5
MW-40	5/11/26	10.2	1.688	0.27	6.87	7.40	-156.4
MW-41	5/12/26	11.3	0.647	0.19	8.58	8.78	-211.3
MW-42	5/12/26	11.2	1.221	0.36	7.12	5.44	-3.1
MW-43	5/12/26	11.8	0.778	0.26	7.30	24.13	-151.6
MW-44	5/12/26	12.3	1.951	0.16	6.69	22.96	-164.2
MW-45	5/13/26	12.7	1.410	0.18	6.32	9.26	-432.5
MW-46	5/12/26	12.1	1.083	0.98	7.60	51.74	-132.0
MW-47	5/14/26	10.9	1.588	0.84	7.30	1.16	4.8
MW-48	5/14/26	11.2	1.411	0.28	7.26	6.58	-124.5

Notes:

µs/cm - microsiemens per centimeter
C° - degrees Celsius
mg/L - milligrams per liter
mV - millivolts
N/A - Not Available; Unable to collect due to Non-Aqueous Phase Liquids (NAPL) in well, high contamination, poor recharge, etc.
NTU - Nephelometric Turbidity Units
S.U. - Standard Units
NS - No Sample - Well not designated for sampling in May 2026.

TABLE 3

HISTORICAL NON-AQUEOUS PHASE LIQUID (NAPL) FIELD MEASUREMENTS
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well	December 2023		January 2024		April 2024		August 2024		November 2024		June 2025		May 2026	
	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL
MW-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-2	0	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-4	0	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-5S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-5D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-6S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-6D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-8S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-8D	**(sheen)**	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-9S	0	**0.60**	0	0	0	0	0	0	0	0	0	0	0	0
MW-9D	0	**2.80**	0	**2.70**	0	**2.90**	**0**	**1.10**	0	**1.80**	0	**1.97**	0	**1.85**
MW-10S	0	**1.10**	0	**1.15**	0	**1.50**	**0**	**0.70**	0	**0.79**	0	**0.82**	0	**0.80**
MW-10D	0	**0.35**	0	0	0	0	0	0	0	0	0	0	0	0
MW-11S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-11D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-13	0	**2.20**	0	**0.10**	0	0	0	0	0	0	0	0	0	0
MW-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-16	0	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-19S	0	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-19D	0	0	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-22S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-22D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 3

HISTORICAL NON-AQUEOUS PHASE LIQUID (NAPL) FIELD MEASUREMENTS
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Well	December 2023		January 2024		April 2024		August 2024		November 2024		June 2025		May 2026	
	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL	LNAPL	DNAPL
MW-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-26S	0	0	0	**0.10**	0	**0.33**	**0**	**1.00**	0	**1.50**	0	**4.00**	0	**4.00**
MW-26D	0	0	**(sheen)**	**0.70**	0	**0.33**	**0**	**0.70**	0	**0.21**	0	**0.05**	0	**0.05**
MW-27S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-27D	0	0	0	**0.20**	0	**1.00**	**0**	**0.20**	0	**1.50**	0	**1.50**	0	**1.85**
MW-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-34S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-34D	0	0	0	**2.15**	0	**1.50**	**0**	**2.30**	0	**2.00**	0	**1.95**	0	**1.90**
MW-35S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-35D	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-36S	**0.30**	**1.20**	**(sheen)**	0	0	0	0	0	0	0	0	0	0	0
MW-36D	0	**0.30**	0	**0.30**	0	**0.20**	**0**	**0.10**	0	**0.17**	0	**0.20**	0	**0.25**
MW-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-38D	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Groundwater Grab Boring	November 2023	
	LNAPL	DNAPL
SB-151/GWG-137	0	**4.10**
SB-152/GWG-138	0	**2.70**
SB-153/GWG-136	0	**1.20**
SB-175/GWG-142	0	**0.40**
SB-176/GWG-143	**0.10**	**9.50**
SB-177/GWG-146	**(sheen)**	0
SB-178/GWG-145	**(sheen)**	0
SB-179/GWG-147	0	0

Notes:

DNAPL - Dense Non-Aqueous Phase Liquid
LNAPL - Light Non-Aqueous Phase Liquid

Values represent feet of NAPL in boring/well

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-1	MW-2	MW-2	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D	MW-9S	MW-9D
Sample ID			MW-1	MW-2	MW-2 DUP	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D DUP	MW-9S	MW-9D
Date			5/13/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/15/2026	5/15/2026	5/15/2026	5/18/2026	5/18/2026
Volatile Organic Compounds (µg/L) [1]														
Acetone	31,000	88,000	1.5 U	150 U	**210** J	**3.7** J	1.5 U	1.5 UB*3	1.5 U	15 U	75 U	75 U	30 U	30 U
Benzene	5	5	**0.15** J	**12,000**	**12,000**	0.1 U	**0.13** J	0.1 U	0.1 U	**34**	**6,300**	**6,200**	**190**	**110**
Bromodichloromethane	80	80	**0.48** J	8 U	8 U	0.08 U	0.08 U	0.08 U	0.08 U	0.8 U	4 U	4 U	1.6 U	1.6 U
Carbon disulfide	1,500	6,200	0.1 U	10 U	10 U	0.1 U	0.1 U	**0.42** JB	**0.32** JB	**1.7** JB	**7.9** JB	**7.4** JB	2 U	2 U
Chloroform	80	80	**8.9**	9 U	9 U	0.09 U	0.09 U	0.09 U	0.09 U	0.9 U	4.5 U	4.5 U	1.8 U	1.8 U
cis-1,2-Dichloroethene	70	70	0.08 U	8 U	8 U	0.08 U	0.08 U	0.08 U	0.08 U	0.8 U	4 U	4 U	1.6 U	1.6 U
Cyclohexane	13,000	53,000	0.1 U	10 U	10 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	5 U	5 U	2 U	2 U
Ethylbenzene	700	700	0.08 U	**34** J	**35** J	0.08 U	0.08 U	0.08 U	0.08 U	**2.3** J	**36**	**45**	**3.2** J	**4.5** J
Isopropylbenzene	840	3,500	0.08 U	8 U	8 U	0.08 U	0.08 U	0.08 U	0.08 U	**0.91** J	4 U	4 U	**4.3** J	1.6 U
Methylcyclohexane	NE	NE	0.1 U	10 U	10 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U^c	5 U^c	5 U^c	2 U	2 U
Methylene Chloride	5	5	**0.3** JH	20 U	20 U	0.2 U^c*+	0.2 U	0.2 U	0.2 U	2 U	10 U	10 U	4 U	4 U
Styrene	100	100	0.07 U	7 U	7 U	0.07 U	0.07 U	0.07 U	0.07 U	0.7 U	3.5 U	**49**	1.4 U	**8.7** J
Toluene	1,000	1,000	0.08 U	8 U	8 U	0.08 U	0.08 U	0.08 U	0.08 U	0.8 U	**810**	**880**	**16**	**64**
Xylene (total)	10,000	10,000	0.07 U	7 U	7 U	0.07 U	0.07 U	0.07 U	0.07 U	**5.9** J	**310**	**380**	**79**	**47**
Semi-Volatile Organic Compounds (µg/L) [2]														
1,1'-Biphenyl	0.84	3.5	0.14 U	2 U	1.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.41 U	6.8 U	6.8 U	**20** J	6.8 U
2,4,5-Trichlorophenol	3,500	9,700	0.25 U	3.6 U	2.4 U	0.25 U	0.25 U	0.25 U	0.25 U	0.73 U	12 U	12 U	12 U	12 U
2,4,6-Trichlorophenol	35	97	0.22 U	3.2 U	2.2 U	0.22 U	0.22 U	0.22 U	0.22 U	0.65 U	11 U	11 U	11 U	11 U
2,4-Dichlorophenol	20	20	0.051 U	0.74 U	0.49 U	0.051 U	0.051 U	0.051 U	0.051 U	0.15 U	2.5 U	2.5 U	2.5 U	2.5 U
2,4-Dimethylphenol	690	1,900	0.59 U	8.4 U	5.6 U	0.59 U	0.59 U	0.59 U	0.59 U	1.7 U	**360**	**390**	28 U	28 U
2-Chloronaphthalene	2,800	7,800	0.059 U	0.85 U	0.57 U	0.059 U	0.059 U	0.059 U	0.059 U	0.17 U	2.8 U	2.8 U	2.8 U	2.8 U
2-Chlorophenol	40	40	0.23 U	3.2 U	2.2 U	0.23 U	0.23 U	0.23 U	0.23 U	0.65 U	11 U	11 U	11 U	11 U
2-Methylnaphthalene	6.3	26	0.062 U	0.89 U	0.6 U	0.062 U	0.062 U	**0.12** J	**0.062** J	**1.1**	**6.9** J	**8.3** J	3 U	**17**
2-Methylphenol	1,700	4,900	0.56 U	8 U	5.4 U	0.56 U	0.56 U	0.56 U	0.56 U	1.6 U	**400**	**420**	27 U	27 U
Acenaphthene	2,100	3,800	**0.066** J	**77**	**120**	0.065 U	0.065 U	**0.1** J	0.065 U	**1**	**5.2** J	**6** J	**4.7** J	**12**
Acenaphthylene	2,100	5,800	0.065 U	0.94 U	0.63 U	0.065 U	0.065 U	0.065 U	0.065 U	**0.55**	**4** J	**4.1** J	**6** J	**32**
Acetophenone	3,500	9,700	**0.45** J	2.3 U	1.5 U	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U	7.6 U	7.6 U	7.6 U	7.6 U
Anthracene	66	66	0.049 U	**2.4** J	**3.3**	0.049 U	0.049 U	**0.1** J	**0.11** J	**0.81**	2.4 U	2.4 U	**5** J	**9.3**
Benzo[a]anthracene	0.3	3.9	0.075 U	1.1 U	0.72 U	0.075 U	0.075 U	0.075 U	0.075 U	0.22 U	3.6 U	3.6 U	3.6 U	**4.4** J
Benzo[b]fluoranthene	0.18	1.2	0.097 U	1.4 U	0.93 U	0.097 U	0.097 U	0.097 U	0.097 U	0.28 U	4.7 U	4.7 U	4.7 U	4.7 U
Bis(2-ethylhexyl) phthalate	6	6	2.1 U	30 U	20 U	2.1 U	2.1 U	2.1 U	2.1 U	6 U	100 U^c	100 U^c	100 U	100 U
Caprolactam	NE	NE	**1.2** J	9.8 U	6.5 U	0.68 U	**1.1** J	**0.81** J	**0.92** J	2 U^c	33 U^c	33 U^c	33 U	33 U
Carbazole	33	140	0.051 U	**67**	**95**	0.051 U	0.051 U	0.051 U	0.051 U	**13**	**33**	**35**	**94**	**69**
Chrysene	1.8	1.9	0.081 U	1.2 U	0.78 U	0.081 U	0.081 U	0.081 U	0.081 U	0.23 U	3.9 U	3.9 U	3.9 U	3.9 U
Dibenzofuran	35	97	0.19 U	**43**	**63**	0.19 U	0.19 U	0.19 U	0.19 U	**2.2** J	9.1 U	9.1 U	**40** J	**33** J
Diethyl phthalate	28,000	78,000	**0.31** J	3.6 U	2.4 U	0.25 U	**0.29** J	0.25 U	0.25 U	0.72 U	12 U	12 U	12 U	12 U
Dimethyl phthalate	NE	NE	0.2 U	2.9 U	1.9 U	0.2 U	**0.21** J	0.2 U	0.2 U	0.58 U	9.6 U	9.6 U	9.6 U	9.6 U
Di-n-butyl phthalate	3,500	9,700	0.38 U	5.4 U	3.6 U	0.38 U	**0.38** J	0.38 U	**0.7** J	1.1 U	18 U	18 U	18 U	18 U
Fluoranthene	260	260	0.06 U	**5.7**	**8.1**	0.06 U	**0.12** J	0.06 U	**0.15** J	**0.92**	2.9 U	2.9 U	**7.4** J	**18**
Fluorene	1,400	1,900	0.069 U	**54**	**77**	0.069 U	0.069 U	0.069 U	0.069 U	**3.3**	**4.7** J	**5.2** J	**39**	**45**
Hexachlorobutadiene	8.4	35	0.16 U	2.2 U	1.5 U	0.16 U	0.16 U	0.16 U	0.16 U	0.45 U	7.5 U	7.5 U	7.5 U	7.5 U
Hexachloroethane	1	1	0.32 U	4.6 U	3.1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.92 U	15 U	15 U	15 U	15 U

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-1	MW-2	MW-2	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D	MW-9S	MW-9D
Sample ID			MW-1	MW-2	MW-2 DUP	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D DUP	MW-9S	MW-9D
Date			5/13/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/15/2026	5/15/2026	5/15/2026	5/18/2026	5/18/2026
Semi-Volatile Organic Compounds (µg/L) [2] (cont.)														
Methylphenol, 3 & 4 [3]	170 [4]	490 [4]	0.37 U	5.4 U*+	3.6 U*+	0.37 U	0.37 U	0.37 U	0.37 U	1.1 U	18 U	18 U	18 U	18 U
Naphthalene	100	100	**0.23**	0.85 U	**3.6**	0.059 U	**0.11** J	**1.2**	**0.61**	**17**	**840**	**990**	**810**	**270**
Nitrobenzene	1.2	6.3	0.5 U	7.2 U*+	4.8 U*+	0.5 U	**4**	0.5 U	0.5 U	1.4 U	24 U	24 U	24 U	24 U
Phenanthrene	1,100	1,100	0.16 U	**38**	**54**	0.16 U	0.16 U	0.16 U	0.16 U	**1.7**	7.5 U	7.5 U	**47**	**31**
Phenol	2,000	2,000	0.49 U	**33**	**100**	0.49 U	0.49 U	0.49 U	0.49 U	1.4 U	**43** J	**50**	23 U	23 U
Pyrene	130	130	0.11 U	**2.8**	**4.6**	0.11 U	0.11 U	0.11 U	0.11 U	**0.44** J	5.3 U	5.3 U	5.3 U	**9.5**
Total Metals (µg/L) [5]														
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	100	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Metals (µg/L) [7]														
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-1	MW-2	MW-2	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D	MW-9S	MW-9D
Sample ID			MW-1	MW-2	MW-2 DUP	MW-5S	MW-5D	MW-6S	MW-6D	MW-8S	MW-8D	MW-8D DUP	MW-9S	MW-9D
Date			5/13/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/15/2026	5/15/2026	5/15/2026	5/18/2026	5/18/2026
General Chemistry (mg/L)														
Acidity as CaCO3 to pH 8.3	NE	NE	-	-	-	-	-	-	-	-	-	-	**-378.504**	**-335.009**
Chloride	250 (6)	250 (6)	-	-	-	-	-	-	-	-	-	-	**3.34**	**287**
Nitrate as N	10	10	-	-	-	-	-	-	-	-	-	-	0.05 UH	0.25 UH
pH (SU)	6.5-8.5	6.5-8.5	**11.4** HF	-	-	-	-	-	-	-	-	-	**7.2** HF	**7.5** HF
Specific Conductance (µmhos/cm)	NE	NE	-	-	-	-	-	-	-	-	-	-	**1,800**	**3,600**
Sulfate	250 (6)	250 (6)	-	-	-	-	-	-	-	-	-	-	**675**	**1,320**
Total Alkalinity as CaCO3 to pH 4.5	NE	NE	-	-	-	-	-	-	-	-	-	-	**340**	**370**
Total Dissolved Solids	500	500	-	-	-	-	-	-	-	-	-	-	**1,400**	**2,500**
Turbidity (NTU)	NE	NE	-	-	-	-	-	-	-	-	-	-	**200**	**95**

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ERIE COKE SITE
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Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-10S	MW-10D	MW-11S	MW-11D	MW-11D	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Sample ID			MW-10S	MW-10D	MW-11S	MW-11D	MW-11D DUP	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Date			5/19/2026	5/19/2026	5/14/2026	5/14/2026	5/14/2026	5/12/2026	5/12/2026	5/13/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026
Volatile Organic Compounds (µg/L) [1]															
Acetone	31,000	88,000	750 U	750 U	1.5 U	7.5 U	7.5 U	150 U	75 U	7,500 U	1.5 U	750 U	750 U	**9.1** *3	3 U*3
Benzene	5	5	**10,000**	**12,000** H	**210**	**2,500** H	**2,100** H	**2,200**	**2,500**	**370,000**	0.1 U	**12,000**	**10,000**	0.1 U	0.2 U
Bromodichloromethane	80	80	40 U	40 U	0.08 U	0.4 U	0.4 U	8 U	4 U	400 U	0.08 U	40 U	40 U	0.08 U	0.16 U
Carbon disulfide	1,500	6,200	50 U	50 U	**0.28** JB	**1.7** JB	**1.5** JB	10 U	5 U	500 U	0.1 U	50 U	50 U	0.1 U	0.2 U
Chloroform	80	80	45 U	45 U	0.09 U	0.45 U	0.45 U	9 U	4.5 U	450 U	0.09 U	45 U	45 U	0.09 U	0.18 U
cis-1,2-Dichloroethene	70	70	40 U	40 U	0.08 U	0.4 U	0.4 U	8 U	4 U	400 U	0.08 U	40 U	40 U	**0.15** J	0.16 U
Cyclohexane	13,000	53,000	50 U	50 U	0.1 U	0.5 U	0.5 U	10 U	5 U	500 U*+	0.1 U	50 U	50 U	0.1 U	0.2 U
Ethylbenzene	700	700	**130** J	**150** J	**1.8**	**17**	**16**	**130**	**160**	400 U	0.08 U	40 U	40 U	0.08 U	0.16 U
Isopropylbenzene	840	3,500	40 U	40 U	**0.34** J	**1.8** J	**1.7** J	8 U	**4.9** J	400 U	0.08 U	40 U	40 U	0.08 U	0.16 U
Methylcyclohexane	NE	NE	50 U	50 U	0.1 U	0.5 U	0.5 U	10 U	5 U	500 U	0.1 U	50 U	50 U	0.1 U	0.2 U
Methylene Chloride	5	5	100 U*+	100 U*+	**0.21** J	1 U	1 U	20 U	10 U	1,000 U	**0.29** J	100 U	100 U	**0.2** J^c*+	0.4 U^c*+
Styrene	100	100	35 U	35 U	**0.16** J	0.35 U	0.35 U	7 U	3.5 U	350 U	0.07 U	35 U	35 U	0.07 U	0.14 U
Toluene	1,000	1,000	**1,400**	**1,800**	**0.51**	**3.2**	**3.1**	**23** J	**48**	**52,000**	0.08 U	**2,100**	**58** J	0.08 U	0.16 U
Xylene (total)	10,000	10,000	**820**	**980**	**5.1**	**71**	**66**	**1,200**	**1,500**	**2,300** J	0.07 U	**520**	**180** J	0.07 U	0.14 U
Semi-Volatile Organic Compounds (µg/L) [2]															
1,1'-Biphenyl	0.84	3.5	28 U	14 U	**0.97** J	6.8 U	6.8 U	0.68 U	0.68 U	14 U	0.14 U	41 U	**7.4** J	0.14 U	0.14 U
2,4,5-Trichlorophenol	3,500	9,700	50 U	24 U	0.25 U	12 U	12 U	1.2 U	1.2 U	24 U	0.24 U	73 U	9.7 U	0.25 U	0.24 U
2,4,6-Trichlorophenol	35	97	45 U	22 U	0.22 U	11 U	11 U	1.1 U	1.1 U	22 U	0.22 U	65 U	8.6 U	0.22 U	0.22 U
2,4-Dichlorophenol	20	20	10 U	4.9 U	0.051 U	2.5 U	2.5 U	0.25 U	0.25 U	4.9 U	0.049 U	15 U	2 U	0.051 U	0.049 U
2,4-Dimethylphenol	690	1,900	**890**	**230**	**1.5**	28 U	28 U	**17**	**16**	56 U	0.56 U	170 U	**33** J	0.59 U	0.56 U
2-Chloronaphthalene	2,800	7,800	12 U*1	5.7 U*1	0.059 U	2.8 U	2.8 U	0.28 U	0.28 U	5.7 U	0.057 U	17 U	2.3 U	0.059 U	0.057 U
2-Chlorophenol	40	40	45 U	22 U	0.23 U	11 U	11 U	1.1 U	1.1 U	22 U	0.22 U	65 U	8.7 U	0.23 U	0.22 U
2-Methylnaphthalene	6.3	26	**130** *1	**55** *1	0.062 U	**12**	**11**	**0.46** J	**0.41** J	6 U	0.06 U	**89**	**12**	0.062 U	0.06 U
2-Methylphenol	1,700	4,900	**1,500**	**390**	0.56 U	27 U	27 U	**11**	**10**	**56** J	0.54 U	**210** J	**40**	0.56 U	0.54 U
Acenaphthene	2,100	3,800	13 U*1	6.3 U*1	**1**	**3.9** J	**3.7** J	**0.98**	**0.81** J	6.3 U	**0.087** J	**51** J	**52**	0.065 U	0.063 U
Acenaphthylene	2,100	5,800	13 U	6.3 U	**0.55**	**12**	**11**	**1**	**0.89** J	6.3 U	0.063 U	**73**	2.5 U	0.065 U	0.063 U
Acetophenone	3,500	9,700	32 U	15 U	0.16 U	7.6 U	7.6 U	**4.8**	**2.8** J	**3,500**	**0.28** J	46 U	6.1 U	**1**	**0.21** J
Anthracene	66	66	9.8 U	4.7 U	**0.099** J	2.4 U	2.4 U	**0.35** J	**0.47** J	4.7 U	0.047 U	14 U	**3.7** J	0.049 U	0.047 U
Benzo[a]anthracene	0.3	3.9	15 U*1	7.2 U*1	0.075 U	3.6 U	3.6 U	0.36 U	0.36 U	7.2 U	0.072 U	22 U	2.9 U	0.075 U	0.072 U
Benzo[b]fluoranthene	0.18	1.2	19 U	9.3 U	0.097 U	4.7 U	4.7 U	0.47 U	0.47 U	9.3 U	0.093 U	28 U	3.7 U	0.097 U	0.093 U
Bis(2-ethylhexyl) phthalate	6	6	420 U	200 U	**7.6** J	100 U	100 U	10 U	10 U	200 U	2 U	600 U	80 U	2.1 U	**2.4** J
Caprolactam	NE	NE	140 U	65 U	**0.82** J	33 U	33 U	3.3 U	3.3 U	65 U	**0.76** J	200 U	26 U	0.68 U	**0.8** J
Carbazole	33	140	**150** *1	**45** *1	**5.8**	**44**	**45**	**2.2**	**2.4**	4.9 U	0.049 U	**130**	**29**	0.051 U	0.049 U
Chrysene	1.8	1.9	16 U	7.8 U	0.081 U	3.9 U	3.9 U	0.39 U	0.39 U	7.8 U	0.078 U	23 U	3.1 U	0.081 U	0.078 U
Dibenzofuran	35	97	38 U*1	18 U*1	**1.4**	**12** J	**12** J	0.91 U	0.91 U	18 U	0.18 U	55 U	**25** J	0.19 U	0.18 U
Diethyl phthalate	28,000	78,000	50 U*1	24 U*1	0.25 U	12 U	12 U	1.2 U	1.2 U	24 U	**0.31** J	72 U	9.6 U	0.25 U	0.24 U
Dimethyl phthalate	NE	NE	40 U	19 U	0.2 U	9.6 U	9.6 U	0.96 U	0.96 U	19 U	0.19 U	58 U	7.7 U	0.2 U	0.19 U
Di-n-butyl phthalate	3,500	9,700	75 U*1	36 U*1	0.38 U	18 U	18 U	1.8 U	1.8 U	36 U	**0.37** J	110 U	15 U	0.38 U	**0.48** J
Fluoranthene	260	260	12 U*1	5.8 U*1	**0.093** J	2.9 U	2.9 U	**0.33** J	**0.32** J	5.8 U	**0.072** J	17 U	**8.3**	0.06 U	0.058 U
Fluorene	1,400	1,900	**30** J	**11** J	**1**	**11**	**11**	**0.75** J	**0.94**	6.6 U	**0.07** J	**43** J	**29**	**0.078** J	0.066 U
Hexachlorobutadiene	8.4	35	31 U*1	15 U*1	0.16 U	7.5 U	7.5 U	0.75 U	0.75 U	15 U	0.15 U	45 U	6 U	0.16 U	0.15 U
Hexachloroethane	1	1	64 U*1	31 U*1	0.32 U	15 U	15 U	1.5 U	1.5 U	31 U	0.31 U	92 U	12 U	0.32 U	0.31 U

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-10S	MW-10D	MW-11S	MW-11D	MW-11D	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Sample ID			MW-10S	MW-10D	MW-11S	MW-11D	MW-11D DUP	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Date			5/19/2026	5/19/2026	5/14/2026	5/14/2026	5/14/2026	5/12/2026	5/12/2026	5/13/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026
Semi-Volatile Organic Compounds (µg/L) [2] (cont.)															
Methylphenol, 3 & 4 [3]	170 [4]	490 [4]	**330**	**130**	0.37 U	18 U	18 U	**20** *+	**19** *+	**120**	0.36 U*+	**480** *+	**16** J*+	0.37 U	0.36 U
Naphthalene	100	100	**5,200** *1	**2,400** *1	**0.31**	**780**	**630**	**41**	**26**	**52**	**0.24**	**3,400**	**520**	**0.2**	0.057 U
Nitrobenzene	1.2	6.3	100 U	48 U	0.5 U	24 U	24 U	2.4 U*+	2.4 U*+	48 U	0.48 U*+	140 U*+	19 U*+	0.5 U	0.48 U
Phenanthrene	1,100	1,100	**35** J	15 U	**0.37**	7.5 U	7.5 U	0.75 U	0.75 U	15 U	0.15 U	45 U	**32**	0.16 U	0.15 U
Phenol	2,000	2,000	**130** J	47 U	**0.85** J	23 U	23 U	**40**	**36**	**890**	0.47 U	**720**	**77**	**1.1**	0.47 U
Pyrene	130	130	22 U*1	11 U*1	0.11 U	5.3 U	5.3 U	0.53 U	0.53 U	11 U	0.11 U	32 U	4.3 U	0.11 U	0.11 U
Total Metals (µg/L) [5]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Metals (µg/L) [7]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-10S	MW-10D	MW-11S	MW-11D	MW-11D	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Sample ID			MW-10S	MW-10D	MW-11S	MW-11D	MW-11D DUP	MW-12	MW-12-DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Date			5/19/2026	5/19/2026	5/14/2026	5/14/2026	5/14/2026	5/12/2026	5/12/2026	5/13/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026
General Chemistry (mg/L)															
Acidity as CaCO3 to pH 8.3	NE	NE	**-224.136**	**-100.008**	-	-	-	-	-	-	-	-	-	-	-
Chloride	250 (6)	250 (6)	**74.5** J	**110**	-	-	-	-	-	-	-	-	-	-	-
Nitrate as N	10	10	0.25 UH	0.25 UH	-	-	-	-	-	-	-	-	-	-	-
pH (SU)	6.5-8.5	6.5-8.5	**7.8** HF	**8** HF	-	-	-	-	-	**2.5** HF	-	-	-	-	-
Specific Conductance (µmhos/cm)	NE	NE	**2,400**	**2,600**	-	-	-	-	-	-	-	-	-	-	-
Sulfate	250 (6)	250 (6)	**791**	**836**	-	-	-	-	-	-	-	-	-	-	-
Total Alkalinity as CaCO3 to pH 4.5	NE	NE	**360**	**330**	-	-	-	-	-	-	-	-	-	-	-
Total Dissolved Solids	500	500	**1,500**	**1,500**	-	-	-	-	-	-	-	-	-	-	-
Turbidity (NTU)	NE	NE	**380**	**450**	-	-	-	-	-	-	-	-	-	-	-

TABLE 4

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ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-19S	MW-19D	MW-21	MW-22S	MW-22D	MW-23	MW-24	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29
Sample ID			MW-19S	MW-19D	MW-21	MW-22S	MW-22D	MW-23	MW-24	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29
Date			5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/14/2026	5/14/2026	5/13/2026	5/18/2026	5/18/2026	5/19/2026	5/18/2026	5/13/2026	5/15/2026
Volatile Organic Compounds (µg/L) [1]															
Acetone	31,000	88,000	1.5 U	1.5 U	**3.5** JB*3	15 U	7.5 UB	7.5 U	1.5 UH	**820** J	300 U	15 U	750 U	1.5 U*3	150 U
Benzene	5	5	**0.25** J	**190**	**85** H	**580**	**2,400**	**300**	**8.6**	**13,000**	**5,000**	**1,000** H	**13,000**	0.1 U	**11,000**
Bromodichloromethane	80	80	0.08 U	0.08 U	0.08 U	0.8 U	0.4 U	0.4 U	0.08 U	40 U	16 U	0.8 U	40 U	0.08 U	8 U
Carbon disulfide	1,500	6,200	0.1 U	0.1 U	**0.38** JB	**3.1** JB	0.5 U	**1.7** JB	0.1 U	50 U	20 U	1 U	50 U	0.1 U	**13** JB
Chloroform	80	80	0.09 U	0.09 U	0.09 U	0.9 U	0.45 U	0.45 U	0.09 U	45 U	18 U	0.9 U	45 U	0.09 U	9 U
cis-1,2-Dichloroethene	70	70	0.08 U	0.08 U	0.08 U	0.8 U	0.4 U	0.4 U	0.08 U	40 U	16 U	0.8 U	40 U	0.08 U	8 U
Cyclohexane	13,000	53,000	0.1 U	0.1 U	0.1 U	1 U	**0.86** J	0.5 U	0.1 U	50 U	20 U	1 U	50 U	0.1 U	**19** J
Ethylbenzene	700	700	0.08 U	**1.4**	**0.79**	**10**	**28**	**0.62** J	0.08 U	**1,200**	**560**	**13**	**93** J	0.08 U	**1,600** ES
Isopropylbenzene	840	3,500	0.08 U	**0.56**	0.08 U	0.8 U	**0.96** J	0.4 U	0.08 U	40 U	16 U	0.8 U	40 U	0.08 U	**23** J
Methylcyclohexane	NE	NE	0.1 U	0.1 U	0.1 U	1 U	**2.3** J	0.5 U	0.1 U	50 U	20 U	1 U	50 U	0.1 U	10 U^c
Methylene Chloride	5	5	0.2 U^c*+	0.2 UH	**0.2** J	2 U	1 U	1 U	**0.29** JH	100 U	40 U	2 U*+	100 U	**0.26** J^c*+	20 U
Styrene	100	100	0.07 U	**0.16** J	**0.17** J	0.7 U	**23**	0.35 U	0.07 U	35 U	14 U	**14**	**140** J	0.07 U	**600**
Toluene	1,000	1,000	0.08 U	**0.61**	**4.7**	**1.3** J	**25**	0.4 U	0.08 U	**1,000**	**370**	**150**	**2,600**	0.08 U	**20,000**
Xylene (total)	10,000	10,000	0.07 U	**3.6**	**4.5**	**12**	**100**	**0.53** J	0.07 U	**1,200**	**700**	**240**	**1,000**	0.07 U	**35,000**
Semi-Volatile Organic Compounds (µg/L) [2]															
1,1'-Biphenyl	0.84	3.5	0.14 U	**0.6** J	0.55 U	**0.64** J	3.4 U	**0.16** J	0.14 U	68 U	68 U	**2.8** J	68 U	0.14 U	3.4 U
2,4,5-Trichlorophenol	3,500	9,700	0.24 U	0.25 U	0.97 U	0.97 U	6.1 U	0.25 U	0.25 U	120 U	120 U	2.5 U	120 U	0.25 U	6.1 U
2,4,6-Trichlorophenol	35	97	0.22 U	0.22 U	0.86 U	0.86 U	5.4 U	0.22 U	0.22 U	110 U	110 U	2.2 U	110 U	0.22 U	5.4 U
2,4-Dichlorophenol	20	20	0.049 U	0.051 U	0.2 U	0.2 U	1.2 U	0.051 U	0.051 U	25 U	25 U	0.51 U	25 U	0.051 U	1.2 U
2,4-Dimethylphenol	690	1,900	0.56 U	**2.7**	**2.6** J	2.3 U	**45**	**2.3**	0.59 U	**1,200**	**460** J	**270**	**940**	0.59 U	**32**
2-Chloronaphthalene	2,800	7,800	0.057 U	0.059 U	0.23 U	0.23 U	1.4 U	0.059 U	0.059 U	28 U	28 U	0.59 U*1	28 U	0.059 U	1.4 U
2-Chlorophenol	40	40	0.22 U	0.23 U	0.87 U	0.87 U	5.4 U	0.23 U	0.23 U	110 U	110 U	2.3 U	110 U	0.23 U	5.4 U
2-Methylnaphthalene	6.3	26	0.06 U	**0.22**	**1.7**	**0.51** J	1.5 U	**0.072** J	0.062 U	**140**	**190**	**27** *1	**160**	0.062 U	**3.8** J
2-Methylphenol	1,700	4,900	0.54 U	**1.3**	**12**	2.1 U	13 U	0.56 U	0.56 U	**2,000**	**750**	**230**	**1,600**	0.56 U	**51**
Acenaphthene	2,100	3,800	0.063 U	**3.5**	0.25 U	**0.59** J	1.6 U	**0.1** J	0.065 U	31 U	31 U	**2.4** *1	31 U	**0.14** J	1.6 U
Acenaphthylene	2,100	5,800	0.063 U	**1.5**	**0.34** J	**1.7**	1.6 U	**0.15** J	0.065 U	31 U	31 U	**28**	**59** J	0.065 U	1.6 U
Acetophenone	3,500	9,700	**0.51** J	**0.86** J	0.61 U	0.61 U	3.8 U	0.16 U	**0.68** J	76 U	76 U	**6** J	76 U	**0.52** J	**110**
Anthracene	66	66	0.047 U	**0.45**	0.19 U	0.19 U	1.2 U	**0.12** J	0.049 U	24 U	24 U	**4.4**	24 U	0.049 U	1.2 U
Benzo[a]anthracene	0.3	3.9	0.072 U	0.075 U	0.29 U	0.29 U	1.8 U	0.075 U	0.075 U	36 U	36 U	0.75 U*1	36 U	0.075 U	1.8 U
Benzo[b]fluoranthene	0.18	1.2	0.093 U	0.097 U	0.37 U	0.37 U	2.3 U	0.097 U	0.097 U	47 U	47 U	0.97 U	47 U	0.097 U	2.3 U
Bis(2-ethylhexyl) phthalate	6	6	**4.3** J	2.1 U	8 U	8 U	50 U	**2.5** J	2.1 U	1,000 U	1,000 U	21 U	1,000 U	2.1 U	50 U
Caprolactam	NE	NE	**1.3** J	**1.6** J	2.6 U	2.6 U	16 U	**0.83** J	**1** J	330 U	330 U	6.8 U	330 U	**0.94** J	16 U^c
Carbazole	33	140	0.049 U	**6.9**	**3.2**	**5.3**	**5.3**	**0.18** J	0.051 U	**140**	**180**	**62** *1	**150**	0.051 U	**4.8**
Chrysene	1.8	1.9	0.078 U	0.081 U	0.31 U	0.31 U	1.9 U	0.081 U	0.081 U	39 U	39 U	0.81 U	39 U	0.081 U	1.9 U
Dibenzofuran	35	97	0.18 U	**3.2**	0.73 U	0.73 U	4.6 U	**0.23** J	0.19 U	91 U	91 U	**14** *1	91 U	0.19 U	4.6 U
Diethyl phthalate	28,000	78,000	**0.33** J	**0.31** J	0.96 U	0.96 U	6 U	**0.26** J	**0.35** J	120 U	120 U	2.5 U*1	120 U	**0.26** J	6 U
Dimethyl phthalate	NE	NE	0.19 U	**0.4** J	0.77 U	0.77 U	4.8 U	0.2 U	0.2 U	96 U	96 U	2 U	96 U	0.2 U	4.8 U
Di-n-butyl phthalate	3,500	9,700	0.36 U	0.38 U	1.5 U	1.5 U	9.1 U	**0.44** J	0.38 U	180 U	180 U	3.8 U*1	180 U	0.38 U	9.1 U
Fluoranthene	260	260	0.058 U	**0.41**	0.23 U	**0.29** J	1.4 U	**0.086** J	0.06 U	29 U	29 U	**4.3** *1	**49** J	0.06 U	1.4 U
Fluorene	1,400	1,900	0.066 U	**5.2**	0.27 U	**0.5** J	1.7 U	**0.14** J	0.069 U	33 U	**49** J	**18**	**50** J	0.069 U	1.7 U
Hexachlorobutadiene	8.4	35	0.15 U	0.16 U	0.6 U	0.6 U	3.7 U	0.16 U	0.16 U	75 U	75 U	1.6 U*1	75 U	0.16 U	3.7 U
Hexachloroethane	1	1	0.31 U	0.32 U	1.2 U	1.2 U	7.7 U	0.32 U	0.32 U	150 U	150 U	3.2 U*1	150 U	0.32 U	7.7 U

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Sample ID			MW-19S	MW-19D	MW-21	MW-22S	MW-22D	MW-23	MW-24	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29
Date			5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/14/2026	5/14/2026	5/13/2026	5/18/2026	5/18/2026	5/19/2026	5/18/2026	5/13/2026	5/15/2026
Semi-Volatile Organic Compounds (µg/L) [2] (cont.)															
Methylphenol, 3 & 4 [3]	170 [4]	490 [4]	0.36 U	0.37 U	**25**	1.4 U	8.9 U	0.37 U	0.37 U	**180** J	180 U	**60**	**1,700**	0.37 U	**56**
Naphthalene	100	100	**0.2**	**27**	**78**	**51**	**470**	**1.7**	**0.23**	**5,200**	**5,500**	**200** *1	**4,800**	**0.12** J	**430**
Nitrobenzene	1.2	6.3	0.48 U	**0.74** J	1.9 U	1.9 U	12 U	0.5 U	0.5 U	240 U	240 U	5 U	240 U	0.5 U	12 U
Phenanthrene	1,100	1,100	0.15 U	**2.8**	0.6 U	0.6 U	3.8 U	0.16 U	0.16 U	75 U	75 U	**14**	**99**	0.16 U	3.8 U
Phenol	2,000	2,000	**0.57** J	**1.8**	**31**	**2.1** J	12 U	**10**	**1.2**	230 U	230 U	**22**	**1,000**	0.49 U	**130**
Pyrene	130	130	0.11 U	**0.23**	0.43 U	0.43 U	2.7 U	0.11 U	0.11 U	53 U	53 U	**2.4** *1	53 U	0.11 U	2.7 U
Total Metals (µg/L) [5]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	1,000	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Dissolved Metals (µg/L) [7]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-19S	MW-19D	MW-21	MW-22S	MW-22D	MW-23	MW-24	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29
Sample ID			MW-19S	MW-19D	MW-21	MW-22S	MW-22D	MW-23	MW-24	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29
Date			5/13/2026	5/13/2026	5/14/2026	5/14/2026	5/14/2026	5/14/2026	5/13/2026	5/18/2026	5/18/2026	5/19/2026	5/18/2026	5/13/2026	5/15/2026
General Chemistry (mg/L)															
Acidity as CaCO3 to pH 8.3	NE	NE	-	-	-	-	-	-	-	**-254.688**	**-372.072**	**-262.728**	**-131.364**	-	-
Chloride	250 (6)	250 (6)	-	-	-	-	-	-	-	**33.4**	**13.4**	**22.5**	**11.4**	-	-
Nitrate as N	10	10	-	-	-	-	-	-	-	0.05 UH	0.05 UH	**2.43** HH3	0.05 UH	-	-
pH (SU)	6.5-8.5	6.5-8.5	-	-	**11.1** HF	-	-	-	-	**7.9** HF	**7.5** HF	**7.3** HF	**7.5** HF	-	-
Specific Conductance (µmhos/cm)	NE	NE	-	-	-	-	-	-	-	**2,200**	**1,600**	**3,100**	**2,000**	-	-
Sulfate	250 (6)	250 (6)	-	-	-	-	-	-	-	**615**	**417**	**1,540**	**609**	-	-
Total Alkalinity as CaCO3 to pH 4.5	NE	NE	-	-	-	-	-	-	-	**410**	**380**	**400**	**330**	-	-
Total Dissolved Solids	500	500	-	-	-	-	-	-	-	**1,200**	**990**	**2,700**	**1,400**	-	-
Turbidity (NTU)	NE	NE	-	-	-	-	-	-	-	**380**	**40**	**4.1** HH3	**18**	-	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Sample ID			MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Date			5/14/2026	5/15/2026	5/14/2026	5/19/2026	5/19/2026	5/15/2026	5/15/2026	5/19/2026	5/19/2026	5/13/2026
Volatile Organic Compounds (µg/L) [1]												
Acetone	31,000	88,000	**1.5** J	75 U	1.5 U	**330**	75 U	**1.6** J^cB*	1.5 U	300 U	300 U	1.5 U
Benzene	5	5	**0.16** J	**9,100**	0.1 U	**1,000** H	**1,200**	**1.6**	0.1 U	**5,000** H	**5,900** H	**0.61**
Bromodichloromethane	80	80	0.08 U	4 U	0.08 U	4 U	4 U	0.08 U	0.08 U	16 U	16 U	0.08 U
Carbon disulfide	1,500	6,200	**0.35** JB	**7.5** JB	**0.31** JB	5 U	5 U	**0.24** JB	**0.15** JB	20 U	20 U	0.1 U
Chloroform	80	80	0.09 U	4.5 U	0.09 U	4.5 U	4.5 U	0.09 U	0.09 U	18 U	18 U	0.09 U
cis-1,2-Dichloroethene	70	70	0.08 U	4 U	0.08 U	4 U	4 U	0.08 U	0.08 U	16 U	16 U	0.08 U
Cyclohexane	13,000	53,000	0.1 U	**9.9** J	0.1 U	5 U	5 U	0.1 U	0.1 U	20 U	20 U	0.1 U*+
Ethylbenzene	700	700	0.08 U	**80**	0.08 U	**40**	**52**	0.08 U	0.08 U	**93** J	**120**	0.08 U
Isopropylbenzene	840	3,500	0.08 U	4 U	0.08 U	4 U	4 U	0.08 U	0.08 U	**17** J	16 U	0.08 U
Methylcyclohexane	NE	NE	0.1 U	5 U^c	0.1 U	5 U	5 U	0.1 U	0.1 U^c	20 U	20 U	0.1 U
Methylene Chloride	5	5	**0.24** J	10 U	0.2 U	10 U*+	10 U*+	**0.21** J	**0.24** J	40 U*+	40 U*+	**0.28** J
Styrene	100	100	0.07 U	**30**	0.07 U	3.5 U	**29**	0.07 U	0.07 U	**160**	14 U	0.07 U
Toluene	1,000	1,000	0.08 U	**1,300**	0.08 U	**56**	**170**	0.08 U	0.08 U	**1,300**	**1,500**	0.08 U
Xylene (total)	10,000	10,000	0.07 U	**760**	0.07 U	**110**	**300**	**0.12** J	0.07 U	**1,900**	**2,600**	0.07 U
Semi-Volatile Organic Compounds (µg/L) [2]												
1,1'-Biphenyl	0.84	3.5	0.14 U	6.8 U	0.14 U	**11** J	**28** J	0.14 U	0.14 U	**23** J	**35** J	0.14 U
2,4,5-Trichlorophenol	3,500	9,700	0.24 U	12 U	0.24 U	12 U	36 U	0.25 U	0.24 U	36 U	48 U	0.24 U
2,4,6-Trichlorophenol	35	97	0.22 U	11 U	0.22 U	11 U	32 U	0.22 U	0.22 U	32 U	43 U	0.22 U
2,4-Dichlorophenol	20	20	0.049 U	2.5 U	0.049 U	2.5 U	7.4 U	0.051 U	0.049 U	7.4 U	9.8 U	0.049 U
2,4-Dimethylphenol	690	1,900	0.56 U	28 U	0.56 U	28 U	84 U	0.59 U	0.56 U	84 U	110 U	0.56 U
2-Chloronaphthalene	2,800	7,800	0.057 U	2.8 U	**0.088** J	2.8 U*1	8.5 U*1	**0.074** J	0.057 U	8.5 U*1	11 U*1	0.057 U
2-Chlorophenol	40	40	0.22 U	11 U	0.22 U	11 U	32 U	0.23 U	**0.28** J	32 U	43 U	0.22 U
2-Methylnaphthalene	6.3	26	**0.096** J	**13**	**0.16** J	3 U*1	**140** *1	**0.14** J	**0.13** J	**290** *1	**410** *1	0.06 U
2-Methylphenol	1,700	4,900	0.54 U	**39** J	0.54 U	27 U	80 U	0.56 U	0.54 U	**230**	110 U	0.54 U
Acenaphthene	2,100	3,800	**0.083** J	3.1 U	**0.15** J	**5.2** J*1	9.4 U*1	**0.09** J	**0.091** J	9.4 U*1	13 U*1	**0.063** J
Acenaphthylene	2,100	5,800	0.063 U	3.1 U	**0.097** J	**8.4** J	**68**	0.065 U	0.063 U	**130**	**170**	0.063 U
Acetophenone	3,500	9,700	0.15 U	**11** J	0.15 U	7.6 U	23 U	**0.16** J	**0.15** J	23 U	31 U	**0.81** J
Anthracene	66	66	0.047 U	2.4 U	0.047 U	2.4 U	**9.9** J	0.049 U	0.047 U	7.1 U	**11** J	0.047 U
Benzo[a]anthracene	0.3	3.9	0.072 U	3.6 U	0.072 U	3.6 U*1	11 U*1	0.075 U	0.072 U	11 U*1	14 U*1	0.072 U
Benzo[b]fluoranthene	0.18	1.2	0.093 U	4.7 U	0.093 U	4.7 U	14 U	0.097 U	0.093 U	14 U	19 U	0.093 U
Bis(2-ethylhexyl) phthalate	6	6	2 U	100 U	2 U	100 U	300 U	2.1 U	2 U^c	300 U	400 U	**7.2** J
Caprolactam	NE	NE	0.65 U	33 U^c	**0.65** J	33 U	98 U	0.68 U^c	0.65 U^c	98 U	130 U	0.65 U
Carbazole	33	140	0.049 U	2.5 U	0.049 U	**48** *1	**130** *1	0.051 U	0.049 U	**160** *1	**230** *1	0.049 U
Chrysene	1.8	1.9	0.078 U	3.9 U	0.078 U	3.9 U	12 U	0.081 U	0.078 U	12 U	16 U	0.078 U
Dibenzofuran	35	97	0.18 U	9.1 U	0.18 U	**23** J*1	**61** J*1	0.19 U	0.18 U	**46** J*1	**70** J*1	0.18 U
Diethyl phthalate	28,000	78,000	0.24 U	12 U	0.24 U	12 U*1	36 U*1	0.25 U	0.24 U	36 U*1	48 U*1	0.24 U
Dimethyl phthalate	NE	NE	0.19 U	9.6 U	0.19 U	9.6 U	29 U	0.2 U	0.19 U	29 U	38 U	0.19 U
Di-n-butyl phthalate	3,500	9,700	0.36 U	18 U	0.36 U	18 U*1	54 U*1	0.38 U	0.36 U	54 U*1	73 U*1	0.36 U
Fluoranthene	260	260	0.058 U	2.9 U	**0.15** J	2.9 U*1	8.7 U*1	0.06 U	0.058 U	8.7 U*1	**16** J*1	0.058 U
Fluorene	1,400	1,900	0.066 U	3.3 U	0.066 U	**15**	**58**	0.069 U	0.066 U	**45**	**67**	0.066 U
Hexachlorobutadiene	8.4	35	0.15 U	7.5 U	0.15 U	7.5 U*1	22 U*1	**0.17** J	0.15 U	22 U*1	30 U*1	0.15 U
Hexachloroethane	1	1	0.31 U	15 U	0.31 U	15 U*1	46 U*1	**0.33** J	0.31 U	46 U*1	61 U*1	0.31 U

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Sample ID			MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Date			5/14/2026	5/15/2026	5/14/2026	5/19/2026	5/19/2026	5/15/2026	5/15/2026	5/19/2026	5/19/2026	5/13/2026
Semi-Volatile Organic Compounds (µg/L) [2] (cont.)												
Methylphenol, 3 & 4 [3]	170 [4]	490 [4]	0.36 U	**33** J	0.36 U	18 U	54 U	0.37 U	0.36 U	**100** J	72 U	0.36 U
Naphthalene	100	100	**0.83**	**420**	**0.12** J	**1,000** *1	**3,700** *1	**0.37**	**0.34**	**4,300** *1	**5,700** *1	**1.1**
Nitrobenzene	1.2	6.3	0.48 U	24 U	0.48 U	24 U	72 U	0.5 U	0.48 U	72 U	96 U	0.48 U
Phenanthrene	1,100	1,100	0.15 U	7.5 U	**0.2**	**14**	**62**	0.16 U	0.15 U	**41**	**73**	0.15 U
Phenol	2,000	2,000	0.47 U	**59**	0.47 U	23 U	70 U	0.49 U	0.47 U	70 U	94 U	**0.79** J
Pyrene	130	130	0.11 U	5.3 U	0.11 U	5.3 U*1	16 U*1	0.11 U	0.11 U	16 U*1	21 U*1	0.11 U
Total Metals (µg/L) [5]												
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-
Beryllium	4	4	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-
Chromium	100	100	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-
Copper	1,000	1,000	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-
Dissolved Metals (µg/L) [7]												
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	-
Antimony	6	6	-	-	-	-	-	-	-	-	-	-
Arsenic	10	10	-	-	-	-	-	-	-	-	-	-
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	-
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	-
Cobalt	10	29	-	-	-	-	-	-	-	-	-	-
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	-
Lead	5	5	-	-	-	-	-	-	-	-	-	-
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	-
Manganese	300	300	-	-	-	-	-	-	-	-	-	-
Nickel	100	100	-	-	-	-	-	-	-	-	-	-
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	-
Selenium	50	50	-	-	-	-	-	-	-	-	-	-
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	-
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Sample ID			MW-30	MW-31	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D	MW-37
Date			5/14/2026	5/15/2026	5/14/2026	5/19/2026	5/19/2026	5/15/2026	5/15/2026	5/19/2026	5/19/2026	5/13/2026
General Chemistry (mg/L)												
Acidity as CaCO3 to pH 8.3	NE	NE	-	-	-	**-244.884**	**-250.512**	-	-	**-364.032**	**-146.64**	-
Chloride	250 (6)	250 (6)	-	-	-	**81.6**	**77.2**	-	-	**11.3**	**13**	-
Nitrate as N	10	10	-	-	-	**1.89** H	**0.252** JH	-	-	**7.6** HH3FH	**7.5** H	-
pH (SU)	6.5-8.5	6.5-8.5	-	-	-	**7.5** HF	**7.7** HF	-	-	**7.2** HF	**7.4** HF	-
Specific Conductance (µmhos/cm)	NE	NE	-	-	-	**1,700**	**1,700**	-	-	**2,500**	**2,500**	-
Sulfate	250 (6)	250 (6)	-	-	-	**483**	**462**	-	-	**1,050**	**1,200**	-
Total Alkalinity as CaCO3 to pH 4.5	NE	NE	-	-	-	**290**	**270**	-	-	**410**	**330**	-
Total Dissolved Solids	500	500	-	-	-	**1,100**	**1,100**	-	-	**2,000**	**2,100**	-
Turbidity (NTU)	NE	NE	-	-	-	**70** H	**34**	-	-	**50** HH3	**20** H	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45	MW-46	MW-47	MW-48	MW-48
Sample ID			MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45 DUP	MW-46	MW-47	MW-48	MW-48 DUP
Date			5/14/2026	5/11/2026	5/11/2026	5/12/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/12/2026	5/14/2026	5/14/2026	5/14/2026
Volatile Organic Compounds (µg/L) [1]															
Acetone	31,000	88,000	1.5 UB	30 U	30 UH	750 U	1.5 U	1.5 U	**3.9** J	3,000 U	3,000 U	1.5 U	**3.7** JB	1.5 UB	**1.5** J
Benzene	5	5	0.1 U	**55**	**3,800**	**15,000**	**1.5**	**1.4**	0.1 UB	**140,000**	**120,000**	**24**	0.1 U	**4.5**	**3.9**
Bromodichloromethane	80	80	0.08 U	1.6 U*+	1.6 UH	40 U	0.08 U	0.08 U	0.08 U	160 U	160 U	0.08 U	0.08 U	0.08 U	0.08 U
Carbon disulfide	1,500	6,200	0.1 U	2 U	2 UH	50 U	0.1 U	0.1 U	0.1 U	200 U	200 U	0.1 U	0.1 U	0.1 U	**0.37** JB
Chloroform	80	80	0.09 U	1.8 U^c	1.8 UH	45 U	0.09 U	0.09 U	0.09 U	180 U	180 U	0.09 U	0.09 U	0.09 U	0.09 U
cis-1,2-Dichloroethene	70	70	0.08 U	1.6 U^c	1.6 UH	40 U	0.08 U	0.08 U	0.08 U	160 U	160 U	0.08 U	0.08 U	0.08 U	0.08 U
Cyclohexane	13,000	53,000	0.1 U	2 U	2 UH	50 U	0.1 U	0.1 U	0.1 U	200 U*+	200 U*+	0.1 U	0.1 U	0.1 U	0.1 U
Ethylbenzene	700	700	0.08 U	1.6 U	**12** H	**93** J	0.08 U	0.08 U	0.08 U	160 U	160 U	**0.093** J	0.08 U	**0.34** J	**0.25** J
Isopropylbenzene	840	3,500	0.08 U	1.6 U	1.6 UH	40 U	0.08 U	0.08 U	**0.081** J	160 U	160 U	0.08 U	0.08 U	0.08 U	0.08 U
Methylcyclohexane	NE	NE	0.1 U	2 U	2 UH	50 U	0.1 U	0.1 U	**0.12** J	200 U	200 U	0.1 U	0.1 U	0.1 U	0.1 U
Methylene Chloride	5	5	**0.32** J	4 U	4 UH	100 U	**0.39** J	**0.24** J	**0.22** J	400 U	400 U	**0.27** J	**0.27** J	**0.27** J	**0.3** J
Styrene	100	100	0.07 U	1.4 U	**34** H	35 U	0.07 U	0.07 U	0.07 U	140 U	140 U	0.07 U	0.07 U	**0.39** J	**0.28** J
Toluene	1,000	1,000	0.08 U	1.6 U	**220** H	**1,100**	**0.17** J	**0.17** J	0.08 UB	**8,200**	**7,600**	**0.14** J	0.08 U	**0.96**	**0.81**
Xylene (total)	10,000	10,000	0.07 U	**2.3** J	**180** H	**1,300**	0.07 U	0.07 U	**0.078** J	**1,300** J	**970** J	**0.079** J	0.07 U	**2.4**	**1.8**
Semi-Volatile Organic Compounds (µg/L) [2]															
1,1'-Biphenyl	0.84	3.5	0.14 U	**1.1** J	**6.6** J	20 U	0.14 U	0.14 U	0.14 U	3.4 U	0.14 U	0.14 U	0.14 U	**0.58** J	0.14 U
2,4,5-Trichlorophenol	3,500	9,700	0.24 U	1.2 U	3.6 U	36 U	0.24 U	0.25 U	0.24 U	6.1 U	0.25 U	0.24 U	0.25 U	**0.77** J	0.24 U
2,4,6-Trichlorophenol	35	97	0.22 U	1.1 U	3.2 U	32 U	0.22 U	0.22 U	0.22 U	5.4 U	0.22 U	0.22 U	0.22 U	**0.51** J	0.22 U
2,4-Dichlorophenol	20	20	0.049 U	0.25 U	0.74 U	7.4 U	0.049 U	0.051 U	0.049 U	1.2 U	0.051 U	0.049 U	0.051 U	**0.22**	0.049 U
2,4-Dimethylphenol	690	1,900	0.56 U	2.8 U	**53**	**100** J	0.56 U	0.59 U	**0.8** J	**21** J	**29**	0.56 U	0.59 U	**0.58** J	0.56 U
2-Chloronaphthalene	2,800	7,800	0.057 U	0.28 U	0.85 U	8.5 U	0.057 U	0.059 U	0.057 U	1.4 U	0.059 U	0.057 U	0.059 U	**0.61**	0.057 U
2-Chlorophenol	40	40	0.22 U	1.1 U	3.2 U	32 U	0.22 U	0.23 U	0.22 U	5.4 U	0.23 U	0.22 U	0.23 U	0.22 U	0.22 U
2-Methylnaphthalene	6.3	26	**0.19**	0.3 U	**49**	**100**	**0.1** J	**0.13** J	0.06 U	1.5 U	**0.53**	**0.12** J	**0.17** J	**0.66**	**0.064** J
2-Methylphenol	1,700	4,900	0.54 U	2.7 U	**90**	80 U	0.54 U	0.56 U	0.54 U	**44**	**67**	0.54 U	0.56 U	0.54 U	0.54 U
Acenaphthene	2,100	3,800	**0.17** J	**11**	**21**	**65**	**0.13** J	**0.13** J	**2.9**	1.6 U	**0.19**	0.063 U	**0.097** J	**1.2**	**0.59**
Acenaphthylene	2,100	5,800	0.063 U	**5**	**42**	9.4 U	**0.066** J	**0.075** J	**0.15** J	1.6 U	0.065 U	**0.075** J	0.065 U	**1.7**	**1.4**
Acetophenone	3,500	9,700	0.15 U	**0.88** J	**3.9** J	23 U	0.15 U	0.16 U	**8**	**250**	**350**	0.15 U	0.16 U	0.15 U	0.15 U
Anthracene	66	66	**0.085** J	**2.7**	**3.6**	7.1 U	0.047 U	0.049 U	**0.26**	1.2 U	**0.15** J	**0.11** J	0.049 U	**0.26**	**0.22**
Benzo[a]anthracene	0.3	3.9	0.072 U	0.36 U	1.1 U	11 U	0.072 U	0.075 U	0.072 U	1.8 U	0.075 U	**0.14** J	0.075 U	**0.098** J	**0.083** J
Benzo[b]fluoranthene	0.18	1.2	0.093 U	0.47 U	1.4 U	14 U	0.093 U	0.097 U	0.093 U	2.3 U	0.097 U	**0.1** J	0.097 U	0.093 U	0.093 U
Bis(2-ethylhexyl) phthalate	6	6	**4.8** J	10 U^c	30 U	300 U	2 U	2.1 U	2 U	50 U	**8** J	2 U	**3.6** J	2 U	**7.7** J
Caprolactam	NE	NE	**0.75** J	**11** J^c	9.8 U^c	98 U	**1.1** J	**4.9** J	0.65 U	16 U	**10**	**0.81** J	**1** J	**1.4** J	0.65 U
Carbazole	33	140	0.049 U	**9.3**	**42**	**65**	**0.063** J	0.051 U	**0.27**	1.2 U	0.051 U	0.049 U	0.051 U	**0.48**	**0.74**
Chrysene	1.8	1.9	0.078 U	0.39 U	1.2 U	12 U	0.078 U	0.081 U	0.078 U	1.9 U	0.081 U	**0.17** J	0.081 U	**0.1** J	**0.091** J
Dibenzofuran	35	97	0.18 U	**5.7**	**21**	**39** J	0.18 U	0.19 U	**0.38** J	4.6 U	0.19 U	0.18 U	0.19 U	**0.79** J	**0.57** J
Diethyl phthalate	28,000	78,000	0.24 U	1.2 U	3.6 U	36 U	0.24 U	0.25 U	**0.27** J	6 U	0.25 U	0.24 U	**0.25** J	**0.24** J	0.24 U
Dimethyl phthalate	NE	NE	0.19 U	0.96 U	2.9 U	29 U	0.19 U	0.2 U	0.19 U	4.8 U	0.2 U	0.19 U	**0.43** J	0.19 U	0.19 U
Di-n-butyl phthalate	3,500	9,700	0.36 U	1.8 U	5.4 U	54 U	**0.59** J	0.38 U	0.36 U	9.1 U	0.38 U	0.36 U	**0.85** J	0.36 U	0.36 U
Fluoranthene	260	260	**0.071** J	**5.1**	**4.4**	8.7 U	0.058 U	0.06 U	**0.46**	1.4 U	0.06 U	**0.43**	0.06 U	**2**	**1.9**
Fluorene	1,400	1,900	0.066 U	**14**	**30**	**49**	**0.081** J	**0.084** J	**1.3**	1.7 U	0.069 U	**0.13** J	0.069 U	**0.62**	**0.43**
Hexachlorobutadiene	8.4	35	0.15 U	0.75 U	2.2 U	22 U	0.15 U	0.16 U	0.15 U	3.7 U	0.16 U	0.15 U	0.16 U	0.15 U	0.15 U
Hexachloroethane	1	1	0.31 U	1.5 U	4.6 U	46 U	0.31 U	0.32 U	0.31 U	7.7 U	0.32 U	0.31 U	0.32 U	0.31 U	0.31 U

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45	MW-46	MW-47	MW-48	MW-48
Sample ID			MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45 DUP	MW-46	MW-47	MW-48	MW-48 DUP
Date			5/14/2026	5/11/2026	5/11/2026	5/12/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/12/2026	5/14/2026	5/14/2026	5/14/2026
Semi-Volatile Organic Compounds (µg/L) [2] (cont.)															
Methylphenol, 3 & 4 [3]	170 [4]	490 [4]	0.36 U	1.8 U	**110**	**100** J*+	0.36 U*+	0.37 U*+	**0.63** J*+	**80**	**120**	0.36 U*+	0.37 U	0.36 U	0.36 U
Naphthalene	100	100	**0.17** J	**70**	**1,100** E	**4,700**	**3.3**	**4.7**	**2.5**	**4.1** J	**5**	**2.4**	**0.54**	**0.75**	**0.2**
Nitrobenzene	1.2	6.3	0.48 U	2.4 U	7.2 U	72 U*+	0.48 U*+	0.5 U*+	0.48 U*+	12 U	0.5 U	0.48 U*+	0.5 U	0.48 U	0.48 U
Phenanthrene	1,100	1,100	0.15 U	**18**	**31**	**39**	0.15 U	0.16 U	**1.7**	3.8 U	**0.23**	**0.45**	0.16 U	**0.32**	**0.23**
Phenol	2,000	2,000	0.47 U	2.3 U	**130**	70 U	0.47 U	0.49 U	**1.8**	**220**	**330**	**0.83** J	0.49 U	0.47 U	0.47 U
Pyrene	130	130	0.11 U	**3.1**	**2.6** J	16 U	0.11 U	0.11 U	**0.27**	2.7 U	0.11 U	**0.32**	0.11 U	**1.3**	**1.2**
Total Metals (µg/L) [5]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	**580**	12 U	12 U	12 U
Antimony	6	6	-	-	-	-	-	-	-	-	-	**0.34** J	0.2 U	0.2 U	0.2 U
Arsenic	10	10	-	-	-	-	-	-	-	-	-	**1** J	0.68 U	**3.1**	**3.1**
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	**67**	**53**	**58**	**59**
Beryllium	4	4	-	-	-	-	-	-	-	-	-	**0.14** J	0.12 U	0.12 U	0.12 U
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	**160,000**	**180,000**	**160,000**	**160,000**
Chromium	100	100	-	-	-	-	-	-	-	-	-	**0.92** J	**0.63** J	**0.62** J	**0.73** J
Cobalt	10	29	-	-	-	-	-	-	-	-	-	**0.17** J	0.16 U	**0.29** J	**0.27** J
Copper	1,000	1,000	-	-	-	-	-	-	-	-	-	0.85 U	**0.9** J	0.85 U	0.85 U
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	**630**	**36** J	**2,500**	**2,500**
Lead	5	5	-	-	-	-	-	-	-	-	-	**1.1**	0.12 U	**0.56**	**0.55**
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	**39,000**	**36,000**	**38,000**	**38,000**
Manganese	300	300	-	-	-	-	-	-	-	-	-	**320**	**23**	**650**	**640**
Nickel	100	100	-	-	-	-	-	-	-	-	-	**0.41** J	0.4 U	**0.51** J	0.4 U
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	**13,000**	**22,000**	**21,000**	**21,000**
Selenium	50	50	-	-	-	-	-	-	-	-	-	**5.7**	**1.1**	**0.48** J	**0.38** J
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	**20,000** B^2	**99,000**	**110,000**	**110,000**
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	**5.8** J	4 U	**99**	**100**
Dissolved Metals (µg/L) [7]															
Aluminum	200 [6]	200 [6]	-	-	-	-	-	-	-	-	-	**31**	12 U	**13** J	12 U
Antimony	6	6	-	-	-	-	-	-	-	-	-	**0.87** J	0.21 U	0.21 U	0.21 U
Arsenic	10	10	-	-	-	-	-	-	-	-	-	**0.76** J	0.7 U	**2.5**	**2.9**
Barium	2,000	2,000	-	-	-	-	-	-	-	-	-	**58**	**51**	**53**	**55**
Calcium	NE	NE	-	-	-	-	-	-	-	-	-	**170,000**	**200,000**	**150,000**	**160,000**
Cobalt	10	29	-	-	-	-	-	-	-	-	-	**0.17** J	0.16 U	0.16 U	**0.2** J
Iron	300 [6]	300 [6]	-	-	-	-	-	-	-	-	-	**140**	**22** J	**2,100**	**2,000**
Lead	5	5	-	-	-	-	-	-	-	-	-	0.12 U	**0.24** JB	**0.16** JB	**0.15** JB
Magnesium	NE	NE	-	-	-	-	-	-	-	-	-	**37,000**	**33,000**	**34,000**	**34,000**
Manganese	300	300	-	-	-	-	-	-	-	-	-	**190**	**22**	**590**	**570**
Nickel	100	100	-	-	-	-	-	-	-	-	-	0.41 U^+	0.41 U	**0.49** J	**0.49** J
Potassium	NE	NE	-	-	-	-	-	-	-	-	-	**12,000**	**21,000**	**19,000**	**19,000**
Selenium	50	50	-	-	-	-	-	-	-	-	-	**7.8**	**1**	**0.32** J	0.29 U
Sodium	NE	NE	-	-	-	-	-	-	-	-	-	**19,000**	**93,000**	**98,000**	**100,000**
Zinc	2,000	2,000	-	-	-	-	-	-	-	-	-	4.1 U	4.1 U	**61**	**52**

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45	MW-46	MW-47	MW-48	MW-48
Sample ID			MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-45 DUP	MW-46	MW-47	MW-48	MW-48 DUP
Date			5/14/2026	5/11/2026	5/11/2026	5/12/2026	5/12/2026	5/12/2026	5/12/2026	5/13/2026	5/13/2026	5/12/2026	5/14/2026	5/14/2026	5/14/2026
General Chemistry (mg/L)															
Acidity as CaCO3 to pH 8.3	NE	NE	-	**-302.772**	**-829.68**	**-358.728**	**-656.82**	**-314.028**	**-950.28**	**-45**	**-36.96**	**-280.26**	**-322.146** H	**-350.688** H	-
Chloride	250 (6)	250 (6)	-	**36.4**	**24.5** FH	**5.16**	**6**	**28.3**	**32.8**	**5.81**	**5.97**	**17.8**	**170**	**198**	-
Nitrate as N	10	10	-	0.05 UHFH	0.05 UH	0.05 UFH	0.05 U	0.05 U	0.05 U	0.023 U^c	**0.0402** JH	**0.274**	**0.625**	0.023 U	-
pH (SU)	6.5-8.5	6.5-8.5	-	**7.8** HF	**7.2** HF	**8.5** HF	**7.4** HF	**7.5** HF	**6.9** HF	**6.5** HF	**6.5** HF	**7.7** HF	**7.5** HF	**7.4** HF	-
Specific Conductance (µmhos/cm)	NE	NE	-	**980**	**2,100**	**700**	**1,300**	**810**	**2,000**	**1,200**	**1,200**	**1,100**	**1,600**	**1,500**	-
Sulfate	250 (6)	250 (6)	-	**111**	**165** FH	**2.79**	**102**	**50.1**	0.5 U	**471**	**476**	**282**	**294**	**107**	-
Total Alkalinity as CaCO3 to pH 4.5	NE	NE	-	**330**	**910**	**380**	**620**	**280**	**860**	**160**	**160**	**260**	**320**	**390**	-
Total Dissolved Solids	500	500	-	**570**	**1,100**	**340**	**800**	**470**	**940**	**920**	**960**	**750**	**1,000**	**870**	-
Turbidity (NTU)	NE	NE	-	**12**	**32**	**2**	**3.7**	**40**	**310**	**350**	**360**	**17**	**0.3** J	**26**	-

TABLE 4

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Notes/Qualifiers:

- - Not Analyzed
*+ - LCS and/or LCSD is outside acceptance limits; biased high
*1 - LCS/LCSD RPD exceeds control limits
*3 - ISTD response or retention time is outside acceptance limits
^c - CCV recovery is outside acceptance limits
µg/L - microgram per liter
µmhos/cm - Micromhos per centimeter
B - analyte was found in the blank
CCV - Continuing Calibration Verification
E - result exceeded calibration range
ES - The analyte response has saturated the instrument detector; the reported concentration is likely to have low bias and should be considered a minium possible concentration
H - sample was prepped or analyzed beyond specified holding times
H3 - Sample was received and analyzed past holding time
HF - field parameter with a holding time of 15 minutes; test performed by laboratory as requested
ISTD - Internal Standard Spiking Solution
J - result is less than the RL but greater than or equal to the MDL; estimated
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MDL - Method Detection Limit
mg/L - milligram per liter
MSC - Medium-Specific Concentration
MW - Monitoring Well
NE - Not Established
NTU - Nephelometric Turbidity Units
PADEP - Pennsylvania Department of Environmental Protection
RL - Reporting Limit
RPD - Relative Percent Difference
SMCL - Secondary Maximum Contaminant Level
SU - Standard Unit
SVOC - Semi-volatile Organic Compound
TDS - Total Dissolved Solids
U - Not Detected
VOC - Volatile Organic Compound

Bold - Concentration is detected in the sample
Shaded - Detected concentration exceeds the PADEP Residential Groundwater MSC
Boxed - Detected concentration exceeds the PADEP Nonresidential Groundwater MSC

It is noted that several of the non-detect results have reporting limits that exceed the respective screening criteria.

(1) - An additional 34 VOCs were analyzed for, but not detected.
(2) - An additional 32 SVOCs were analyzed for, but not detected.
(3) - Not a single chemical but a mixture of the isomers m-cresol and p-cresol.
(4) - 4-Methylphenol used as a surrogate.
(5) - Total cadmium, mercury, silver, vanadium, and zinc were also analyzed for, but not detected.
(6) - SMCL
(7) - An additional eight (8) dissolved metals were analyzed for, but not detected.

TABLE 5

SUMMARY OF QUALITY ASSURANCE/QUALITY CONTROL DETECTIONS - MAY 2026
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	Field Blank	Trip Blanks						
Sample ID	FB-1	TB-1	TB-2	TB-3	TB-4	TB-5	TB-6	TB-7
Date	5/19/2026	5/11/2026	5/12/2026	5/13/2026	5/14/2026	5/15/2026	5/18/2026	5/19/2026
Volatile Organic Compounds (µg/L) [(1)]								
Acetone	1.5 U	**5.5**	**5.2**	**4.5** J	**9.3**	**6.1**	**6.7**	**7**
Carbon disulfide	0.1 U	0.1 U	0.1 U	0.1 U	**0.47** JB	0.1 U	0.1 U	0.1 U
Methylene Chloride	0.2 U*+	**0.9**	**0.93**	**0.92**	**0.91**	**0.79**	**0.78**	**0.82** H
Semi-Volatile Organic Compounds (µg/L) [(2)]								
2-Methylnaphthalene	**0.063** J*1	-	-	-	-	-	-	-
Acenaphthene	**0.071** J*1	-	-	-	-	-	-	-
Naphthalene	**0.099** J*1	-	-	-	-	-	-	-
Total Metals (µg/L) [(5)]								
None Detected								

Qualifiers/Notes:

- - Not Analyzed
*+ - LCS and/or LCSD is outside acceptance limits; biased high
*1 - LCS/LCSD RPD exceeds control limits
µg/L - microgram per liter
B - analyte was found in the blank
FB - Field Blank
H - sample was prepped or analyzed beyond specified holding times
J - result is less than the RL but greater than or equal to the MDL; estimated
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MDL - Method Detection Limit
QA/QC - Quality Assurance/Quality Control
RL - Reporting Limit
RPD - Relative Percent Difference
SVOC - Semi-volatile Organic Compound
TB - Trip Blank
U - Not Detected
VOC - Volatile Organic Compound

Bold - Concentration is detected in the sample

(1) - An additional 45 VOCs were analyzed for, but not detected.
(2) - An additional 62 SVOCs were analyzed for, but not detected.
(3) - Twenty-three (23) total metals were analyzed for, but not detected.

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D
Volatile Organic Compounds (µg/L)																
Benzene	December 2022	*0.6 U*	6,800	2.4	*0.6 U*	4.7	14	*0.6 U*	2.9	*0.6 U*	380 E	290 E	-	280 E	560 E	-
	March 2023	*0.6 U*	6,900 H	*0.6 U*	*0.6 U*	0.62 J	3.2	*0.6 UH*	2.4	*0.6 U*	1,100 E	*0.6 U*	-	490 E	1,300 E	-
	January 2024	*5 U*	4,720	*1 U*	*1 U*	0.74 J	34.9	*5 U*	*5 U*	*1 U*	2,070	2,610	306	5,090	6,760	12,600
	April 2024	0.35 J	6,310	*1 U*	*1 U*	2.2	9	*5 U*	*5 U*	*1 U*	1,870	2,010	5,750	825	8,440	13,300
	August 2024	0.82 J	3,240	*1 U*	*1 U*	0.32 J	0.31 J	*1 U*	*1 U*	*1 U*	658	2,720	430	8,050	8,400	7,940
	December 2024	0.54 J	4,050	*1 U*	*1 U*	0.41 J	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	750	308 J	491	4,640	10,400
	June 2025	0.38 J	7,310	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	8,480	8,120	271	13,000	13,300
	May 2026	0.15 J	12,000	-	-	*0.1 U*	0.13 J	*0.1 U*	*0.1 U*	-	34	6,300	190	110	10,000	12,000 H
Bromomethane	December 2022	*0.89 U^c*	*0.89 U^c*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U^c*	*0.89 U^c*	*0.89 U*	*0.89 U^c*	*0.89 U^c*	-	*0.89 U^c*	*0.89 U*	-
	March 2023	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U^c*	*0.89 U*	*0.89 U*	-	*0.89 U*	*0.89 U*	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	2.6 J	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	27.8	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.1 U*	*10 U*	-	-	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	-	*1 U*	*5 U*	*2 U*	*2 U*	*50 U^c*	*50 U^c*
Chlorobenzene	December 2022	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	-	*0.5 U*	*0.5 U*	-
	March 2023	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	*0.5 U*	-	*0.5 U*	*0.5 U*	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	*20 U*	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.07 U*	*7 U*	-	-	*0.07 U*	*0.07 U*	*0.07 U*	*0.07 U*	-	*0.7 U*	*3.5 U*	*1.4 U*	*1.4 U*	*35 U*	*35 U*
Chloroethane	December 2022	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	*0.9 U*	-	*0.9 U*	*0.9 U*	-
	March 2023	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U*	*0.9 U*	-	*0.9 U*	*0.9 U*	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	*20 U*	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.1 U*	*10 U*	-	-	*0.1 U*	*0.1 U*	*0.1 U*	*0.1 U*	-	*1 U*	*5 U*	*2 U*	*2 U*	*50 U^c*	*50 U^c**
Chloromethane	December 2022	0.9 J	*0.9 U*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U*	*0.9 U*	*0.9 U^c*	*0.9 U*	*0.9 U*	-	*0.9 U*	*0.9 U^c*	-
	March 2023	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	*0.9 U^c*	-	*0.9 U^c*	*0.9 U^c*	-
	January 2024	1.9 J	*50 U*	0.34 J	0.36 J	0.45 J	2.8 J	1.8 J	2.5 J	0.33 J	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	23.9 J
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	*20 U*	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.22 U*	*10 U*	-	-	*0.22 U*	*0.22 U*	*0.22 U*	*0.22 U*	-	*2.2 U*	*11 U*	*4.4 U*	*4.4 U*	*110 U*	*110 U*
Dichlorodifluoromethane	December 2022	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	*0.83 U*	-	*0.83 U*	*0.83 U*	-
	March 2023	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	*0.83 U^c*	-	*0.83 U^c*	*0.83 U^c*	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	*20 U*	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.22 U*	*10 U*	-	-	*0.22 U*	*0.22 U*	*0.22 U^c*	*0.22 U^c*	-	*2.2 U*	*11 U*	*4.4 U*	*4.4 U*	*110 U*	*110 U*

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CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D
Volatile Organic Compounds (µg/L)																
Ethylbenzene	December 2022	*0.51 U*	25	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	130 E	400 E	-	8.3	31 E	-
	March 2023	*0.51 U*	25	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	*0.51 U*	130 E	400 E	-	8.3	31	-
	January 2024	*5 U*	23.9 J	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	187	420	103	59.9	46.6 J	78.1
	April 2024	*1 U*	36 J	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	161	357	149	*50 U*	96.4	97.5
	August 2024	*1 U*	19.9 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	98.7	410	*50 U*	35.1 J	82.7	54.1
	December 2024	*1 U*	27.6 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	94.7	*500 U*	16.2 J	87.4	107
	June 2025	*1 U*	40.4 J	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	83.2	82.3	*20 U*	157	136
	May 2026	*0.08 U*	34 J	-	-	*0.08 U*	*0.08 U*	*0.08 U*	*0.08 U*	-	2.3 J	36	3.2 J	4.5 J	130 J	150 J
Isopropylbenzene	December 2022	*0.34 U*	2.5	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	3.9	6.2	-	1.8	1.8	-
	March 2023	*0.34 U*	2.5	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	*0.34 U*	3.9	6.2	-	1.8	1.8	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	11.8 J	*50 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	6.9 J	*500 U*	*20 U*	*50 U*	*50 U*
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	*50 U*	*50 U*	*20 U*	*50 U*	*50 U*
	May 2026	*0.08 U*	*8 U*	-	-	*0.08 U*	*0.08 U*	*0.08 U*	*0.08 U*	-	0.91 J	*4 U*	4.3 J	*1.6 U*	*40 U*	*40 U*
m&p-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*10 U*	*100 U*	*2 U*	*2 U*	*2 U*	*10 U*	*10 U*	*10 U*	*2 U*	78.2 J	49.2 J	432	425	217	483
	April 2024	*2 U*	163	*2 U*	*2 U*	0.8 J	*10 U*	*10 U*	*10 U*	*2 U*	*100 U*	*100 U*	1,410	84.3 J	520	634
	August 2024	*2 U*	*100 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*100 U*	*100 U*	41 J	373	356	236
	December 2024	*2 U*	*100 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*2 U*	*10 U*	20.1 J	*1,000 U*	60.1	406	604
	June 2025	*2 U*	*100 U*	-	-	*2 U*	*2 U*	*2 U*	*2 U*	-	*2 U*	219	193	67.3	745	728
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	43.6 J	31.2 J	151	142	122	247
	April 2024	*1 U*	46.9 J	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	19.8 J	*50 U*	386	39.1 J	241	288
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	70.8	157	213	146
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	14.4 J	*500 U*	35.9	205	283
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	148	133	37.5	369	348
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	December 2022	*0.47 U*	0.47	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	0.47 J	*0.47 U*	*1.1 U*	*0.47 U*	-	33	4.1	-
	March 2023	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	*0.47 U*	1.1	*0.47 U*	-	33	4.1	-
	January 2024	*5 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	15.7 J	15.3 J	*50 U*	74.2	19.4 J	23.5 J
	April 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*5 U*	*5 U*	*5 U*	*1 U*	*50 U*	*50 U*	93.5	37.6 J	*50 U*	*50 U*
	August 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	75	*50 U*	*50 U*
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*20 U*	*500 U*	11 J	22 J	25.9 J
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	77.7	76.6	25.3	14.7 J	*50 U*
	May 2026	*0.07 U*	*7 U*	-	-	*0.07 U*	*0.07 U*	*0.07 U*	*0.07 U*	-	*0.7 U*	*3.5 U*	*1.4 U*	8.7 J	*35 U*	*35 U*
Toluene	December 2022	*0.46 U*	2.6	0.46 J	*0.46 U*	*0.46 U*	0.46	*0.46 U*	0.46	*0.46 U*	94	150	-	190 E	240 E	-
	March 2023	*0.46 U*	2.6	*0.46 U*	*0.46 U*	*0.46 U*	*0.46 U*	*0.46 U*	*0.46 U*	*0.46 U*	94 E	150 E	-	190 E	240 E	-
	January 2024	*5 U*	19.3 J	*1 U*	*1 U*	*1 U*	9.3	*5 U*	*5 U*	*1 U*	96.1	46.4 J	160	998	635	1,470
	April 2024	*1 U*	34.6 J	*1 U*	*1 U*	0.29 J	*5 U*	*5 U*	*5 U*	*1 U*	38.6 J	37.2 J	1,110	242	1,190	1,790
	August 2024	0.41 J	*50 U*	*1 U*	0.28 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	20.1 J	30.7 J	24.6 J	1,160	740	709
	December 2024	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	37.6	*500 U*	60.2	711	1,500
	June 2025	*1 U*	*50 U*	-	-	*1 U*	*1 U*	*1 U*	*1 U*	-	*1 U*	922	885	115	1,690	1,860
	May 2026	*0.08 U*	*8 U*	-	-	*0.08 U*	*0.08 U*	*0.08 U*	*0.08 U*	-	*0.8 U*	810	16	64	1,400	1,800

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Volatile Organic Compounds (µg/L)																
Total Xylenes	December 2022	*0.89 U*	11	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	0.89	*0.89 U*	43	75	-	110	200 E	-
	March 2023	*0.89 U*	11	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	*0.89 U*	43	75	-	110 E	200 E	-
	January 2024	*15 U*	*150 U*	*3 U*	*3 U*	*3 U*	*15 U*	*15 U*	*15 U*	*3 U*	122 J	80.4 J	583	567	339	730
	April 2024	*3 U*	210	*3 U*	*3 U*	0.8 J	*15 U*	*15 U*	*15 U*	*3 U*	*150 U*	*150 U*	1,800	123 J	761	922
	August 2024	*3 U*	*150 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*150 U*	*150 U*	112 J	530	568	382
	December 2024	*3 U*	*150 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*15 U*	34.5 J	*1,500 U*	96	612	887
	June 2025	*3 U*	*150 U*	-	-	*3 U*	*3 U*	*3 U*	*3 U*	-	*3 U*	367	326	105	1,110	1,080
	May 2026	*0.07 U*	*7 U*	-	-	*0.07 U*	*0.07 U*	*0.07 U*	*0.07 U*	-	5.9 J	310	79	47	820	980
Semi-Volatile Organic Compounds (µg/L)																
Acenaphthene	December 2022	*0.068 U*	100	*0.071 U*	*0.065 U*	*0.065 U*	*0.068 U*	0.097	0.29	0.068 J	1.3 J	2.8	-	13	*4.7 U*	-
	March 2023	*0.068 U*	100	*0.071 U*	*0.065 U*	*0.065 U*	*0.068 U*	0.097 J	0.29	*0.068 U*	1.3	2.8	-	13	4.7 J	-
	January 2024	*1.5 U*	189	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	3.2	5.7	9.6	18.2	9.2	7.7
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	3.2	5.4 J	9.2	20	9.6 J	8.5 J
	August 2024	*6 U*	224	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	3.4 J	7.1	12.4	22.1	11.2	10.2
	December 2024	*1.5 U*	214	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	7.4	*1.5 U*	18	4	10.3
	June 2025	*1.9 U*	246	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	10.9 J	5.3 J	21.7	9	8.3 J
	May 2026	0.066 J	77	-	-	*0.065 U*	*0.065 U*	0.1 J	*0.065 U*	-	1	5.2 J	4.7 J	12	*13 U*1*	*6.3 U*1*
Acenaphthylene	December 2022	*0.068 U*	4.6	*0.071 U*	*0.065 U*	*0.065 U*	*0.068 U*	0.22	2.7	*0.068 U*	1.1 J	1.6 J	-	67	2.5 J	-
	March 2023	*0.068 U*	4.6	*0.071 U*	*0.065 U*	*0.065 U*	*0.068 U*	0.22	2.7	*0.068 U*	1.1	1.6	-	67	2.5 J	-
	January 2024	*1.5 U*	2	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.97 J	*1.6 U*	2.2	1.1 J	57.6	76.3	22.3	19.7
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	2.7	2.4 J	52.2	178	28.1	25.2
	August 2024	*6 U*	1.3 J	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	2.4 J	3.4 J	30.7	98.6	23.7	19.2
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.27 J	*1.5 U*	0.41 J	5.7	3.8	54.3	3.7	26.2
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	10.4 J	10.1 J	52.2	18.5	20.3
	May 2026	*0.065 U*	*0.94 U*	-	-	*0.065 U*	*0.065 U*	*0.065 U*	*0.065 U*	-	0.55	4 J	6 J	32	*13 U*	*6.3 U*
Anthracene	December 2022	*0.051 U*	4.1	*0.053 U*	*0.049 U*	*0.049 U*	*0.051 U*	0.16	0.47	*0.051 U*	0.67 J	0.59 J	-	9.5 J	3.4 J	-
	March 2023	*0.051 U*	4.1	*0.053 U*	*0.049 U*	*0.049 U*	*0.051 U*	0.16 J	0.47	*0.051 U*	0.67 J	0.59 J	-	9.5	3.4 J	-
	January 2024	*1.5 U*	12.5	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.34 J	*1.6 U*	1.4 J	0.63 J	13.5	26.1	11.1	11.1
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1.4 J	1.3 J	11.5	25.8	13.4 J	14.8 J
	August 2024	*6 U*	13.5	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	1.5 J	1.2 J	15.2	23.6	13.7	12.2
	December 2024	*1.5 U*	14.3	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.33 J	*1.5 U*	0.76 J	1.1 J	16.1	9.7	4.3	13.5
	June 2025	*1.9 U*	10.8	-	-	*1.5 U*	*1.5 U*	*1.5 U*	0.28 J	-	*15.6 U*	*25 U*	6.1 J	12.6	10.3	10.8 J
	May 2026	*0.049 U*	2.4 J	-	-	*0.049 U*	*0.049 U*	0.1 J	0.11 J	-	0.81	*2.4 U*	5 J	9.3	*9.8 U*	*4.7 U*
Benzo(a)anthracene	December 2022	*0.078 U*	*0.78 U*	*0.082 U*	*0.075 U*	*0.075 U*	*0.078 U*	*0.075 U*	0.11 J	*0.095 U*	*0.31 U*	*0.3 U*	-	*2.3 U*	*2 U*	-
	March 2023	*0.078 U*	*0.78 U*	*0.082 U*	*0.075 U*	*0.075 U*	*0.078 U*	*0.075 U*	0.11 J	0.095 J	*0.31 U*	*0.3 U*	-	2.3 J	*2 U*	-
	January 2024	*1.5 U*	0.54 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.36 J	*1.6 U*	*1.5 U*	*1.6 U*	1.5 J	16.9	1.7	0.83 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	1.1 J	5.5 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	1.5 J	6	*6 U*	*6 U*
	December 2024	0.53 J	0.54 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1.4 J	2.3	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	0.59 J	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	*1.9 U*	*1.9 U*	*18.8 U*
	May 2026	*0.075 U*	*1.1 U*	-	-	*0.075 U*	*0.075 U*	*0.075 U*	*0.075 U*	-	*0.22 U*	*3.6 U*	*3.6 U*	4.4 J	*15 U*1*	*7.2 U*1*
Benzo(a)pyrene	December 2022	*0.055 U*	*0.55 U*	*0.058 U*	*0.053 U*	*0.053 U*	*0.055 U*	*0.053 U*	*0.055 U*	*0.078 U*	*0.22 U*	*0.21 U*	-	*1.4 U*	*1.4 U*	-
	March 2023	*0.055 U*	*0.55 U*	*0.058 U*	*0.053 U*	*0.053 U*	*0.055 U*	*0.053 U*	*0.055 U*	0.078 J	*0.22 U*	*0.21 U*	-	*1.4 U*	*1.4 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	0.87 J	12.8	0.94 J	0.53 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	3 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	3.9 J	*6 U*	*6 U*
	December 2024	0.55 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.56 J	0.99 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	0.49 J	*1.9 U*	*18.8 U*
	May 2026	*0.13 U*	*1.8 U*	-	-	*0.13 U*	*0.13 U*	*0.13 U*	*0.13 U*	-	*0.37 U*	*6.2 U*	*6.2 U*	*6.2 U*	*26 U*	*12 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D
Semi-Volatile Organic Compounds (µg/L)																
Benzo(b)fluoranthene	December 2022	*0.1 U*	*1 U*	*0.11 U*	*0.097 U*	*0.097 U*	*0.1 U*	*0.097 U*	*0.1 U*	*0.1 U*	*0.4 U*	*0.39 U*	-	*2.6 U*	*2.5 U*	-
	March 2023	*0.1 U*	*1 U*	*0.11 U*	*0.097 U*	*0.097 U*	*0.1 U*	*0.097 U*	*0.1 U*	*0.1 U*	*0.4 U*	*0.39 U*	-	*2.6 U*	*2.5 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.35 J	*1.6 U*	*1.5 U*	*1.6 U*	0.84 J	10.9	0.92 J	0.41 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	0.36 J	2.9 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	3.2 J	*6 U*	*6 U*
	December 2024	0.69 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.73 J	1.1 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	0.75 J	*1.9 U*	*18.8 U*
	May 2026	*0.097 U*	*1.4 U*	-	-	*0.097 U*	*0.097 U*	*0.097 U*	*0.097 U*	-	*0.28 U*	*4.7 U*	*4.7 U*	*4.7 U*	*19 U*	*9.3 U*
Benzo(g,h,i)perylene	December 2022	*0.072 U*	*0.72 U*	*0.075 U*	*0.069 U*	*0.069 U*	*0.072 U*	*0.069 U*	*0.072 U*	*0.077 U*	*0.29 U*	*0.28 U*	-	*1.9 U*	*1.8 U*	-
	March 2023	*0.072 U*	*0.72 U*	*0.075 U*	*0.069 U*	*0.069 U*	*0.072 U*	*0.069 U*	*0.072 U*	0.077 J	*0.29 U*	*0.28 U*	-	*1.9 U*	*1.8 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	0.39 J	6.1	0.46 J	0.28 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	1.9 J	*6 U*	*6 U*
	December 2024	0.58 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.72 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	*1.9 U*	*1.9 U*	*18.8 U*
	May 2026	*0.069 U*	*1 U*	-	-	*0.069 U*	*0.069 U*	*0.069 U*	*0.069 U*	-	*0.2 U*	*3.3 U*	*3.3 U*	*3.3 U*	*14 U*	*6.6 U*
Benzo(k)fluoranthene	December 2022	*0.092 U*	*0.92 U*	*0.096 U*	*0.088 U*	*0.088 U*	*0.092 U*	*0.088 U*	*0.092 U*	*0.092 U*	*0.37 U*	*0.35 U*	-	*2.4 U*	*2.3 U*	-
	March 2023	*0.092 U*	*0.92 U*	*0.096 U*	*0.088 U*	*0.088 U*	*0.092 U*	*0.088 U*	*0.092 U*	*0.092 U*	*0.37 U*	*0.35 U*	-	*2.4 U*	*2.3 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	0.67 J	10.1	0.82 J	0.49 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	0.3 J	2.2 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	2.5 J	*6 U*	*6 U*
	December 2024	0.65 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.72 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	*1.9 U*	*1.9 U*	*18.8 U*
	May 2026	*0.088 U*	*1.3 U*	-	-	*0.088 U*	*0.088 U*	*0.088 U*	*0.088 U*	-	*0.25 U*	*4.2 U*	*4.2 U*	*4.2 U*	*18 U*	*8.5 U*
Biphenyl	December 2022	*0.15 U*	1.7 J	*0.15 U*	*0.14 U*	*0.14 U*	*0.15 U*	0.14	0.22 J	*0.15 U*	*0.59 U*	*1.3 U*	-	11 J	*14 U*	-
	March 2023	*0.15 U*	1.7 J	*0.15 U*	*0.14 U*	*0.14 U*	*0.15 U*	*0.14 U*	0.22 J	*0.15 U*	*0.59 U*	1.3 J	-	11 J	14 J	-
	January 2024	*3 U*	*3.1 U*	*3.1 U*	*3 U*	*3 U*	*3 U*	*3.1 U*	*3 U*	*3.1 U*	*3 U*	2.9 J	39.2	19.3	19.8	25.4
	April 2024	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*12 U*	31.5	38.9	30.3	32.4
	August 2024	*12 U*	*12 U*	*12 U*	*3 U*	*3 U*	*3 U*	*3 U*	*12 U*	*3 U*	1.8 J	*12 U*	56.4	26.9	37.7	36.1
	December 2024	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	3 J	2.4 J	13.2	13.8	39.6
	June 2025	*3.8 U*	*3 U*	-	-	*3 U*	*3 U*	*3 U*	*3 U*	-	*31.3 U*	4.8 J	20.4 J	12.8	33.3	37 J
	May 2026	*0.14 U*	*2 U*	-	-	*0.14 U*	*0.14 U*	*0.14 U*	*0.14 U*	-	*0.41 U*	*6.8 U*	20 J	*6.8 U*	*28 U*	*14 U*
Chrysene	December 2022	*0.084 U*	*0.84 U*	*0.088 U*	*0.081 U*	*0.081 U*	*0.084 U*	*0.081 U*	*0.14 U*	*0.088 U*	*0.34 U*	*0.32 U*	-	*2.2 U*	*2.1 U*	-
	March 2023	*0.084 U*	*0.84 U*	*0.088 U*	*0.081 U*	*0.081 U*	*0.084 U*	*0.081 U*	0.14 J	0.088 J	*0.34 U*	*0.32 U*	-	*2.2 U*	*2.1 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	1.2 J	17.1	1.4 J	0.68 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	0.68 J	4.6 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	5.4 J	*6 U*	*6 U*
	December 2024	0.57 J	0.29 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.94 J	2.1	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	1.6 J	*1.9 U*	*18.8 U*
	May 2026	*0.081 U*	*1.2 U*	-	-	*0.081 U*	*0.081 U*	*0.081 U*	*0.081 U*	-	*0.23 U*	*3.9 U*	*3.9 U*	*3.9 U*	*16 U*	*7.8 U*
Dibenzo(a,h)anthracene	December 2022	*0.075 U*	*0.75 U*	*0.078 U*	*0.072 U*	*0.072 U*	*0.075 U*	*0.072 U*	*0.075 U*	*0.082 U*	*0.3 U*	*0.29 U*	-	*2 U*	*1.9 U*	-
	March 2023	*0.075 U*	*0.75 U*	*0.078 U*	*0.072 U*	*0.072 U*	*0.075 U*	*0.072 U*	*0.075 U*	0.082 J	*0.3 U*	*0.29 U*	-	*2 U*	*1.9 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	*1.6 U*	2	*1.5 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*
	December 2024	0.65 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.59 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	*1.9 U*	*1.9 U*	*18.8 U*
	May 2026	*0.072 U*	*1 U*	-	-	*0.072 U*	*0.072 U*	*0.072 U*	*0.072 U*	-	*0.21 U*	*3.5 U*	*3.5 U*	*3.5 U*	*14 U*	*6.9 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D
Semi-Volatile Organic Compounds (µg/L)																
Fluoranthene	December 2022	*0.063 U*	8	*0.065 U*	*0.06 U*	*0.06 U*	*0.063 U*	0.5	1.7	*0.088 U*	0.53 J	0.74 J	-	17	*3 U*	-
	March 2023	*0.063 U*	8	*0.065 U*	*0.06 U*	*0.06 U*	*0.063 U*	0.5	1.7	0.088 J	0.53 J	0.74 J	-	17	3 J	-
	January 2024	*1.5 U*	12	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.76 J	1.1 J	*1.6 U*	1.5	1.4 J	14.4	59.5	12.4	7.6
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1.4 J	1.6 J	13.2	33.5	9.6 J	11.2 J
	August 2024	*6 U*	16.4	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	1.4 J	1.4 J	16.9	32.6	10.5	10.9
	December 2024	*1.5 U*	13.7	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1.6	17.3	21.3	3.9	11.1
	June 2025	*1.9 U*	12.8	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	8.4 J	21	7.8	6.1 J
	May 2026	*0.06 U*	5.7	-	-	*0.06 U*	0.12 J	*0.06 U*	0.15 J	-	0.92	*2.9 U*	7.4 J	18	*12 U*1*	*5.8 U*1*
Fluorene	December 2022	*0.072 U*	68	*0.075 U*	*0.069 U*	*0.069 U*	*0.072 U*	0.069	1.5	*0.072 U*	3.8	4.7	-	69	25	-
	March 2023	*0.072 U*	68	*0.075 U*	*0.069 U*	*0.069 U*	*0.072 U*	*0.069 U*	1.5	*0.072 U*	3.8	4.7	-	69	25	-
	January 2024	*1.5 U*	128	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.27 J	0.47 J	*1.6 U*	9.4	8.8	94.2	112	45.6	48.6
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	9.9	9	100	157	58.9	62.8
	August 2024	*6 U*	152	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	8.4	10.4	129	130	69	66.7
	December 2024	*1.5 U*	144	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	10.2	6.8	86.9	27.4	70.2
	June 2025	*1.9 U*	162	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	11.8 J	47.9	101	56.2	55.6
	May 2026	*0.069 U*	54	-	-	*0.069 U*	*0.069 U*	*0.069 U*	*0.069 U*	-	3.3	4.7 J	39	45	30 J	11 J
Indeno(1,2,3-cd)pyrene	December 2022	*0.089 U*	*0.89 U*	*0.092 U*	*0.085 U*	*0.085 U*	*0.089 U*	*0.085 U*	*0.089 U*	*0.089 U*	*0.35 U*	*0.34 U*	-	*2.3 U*	*2.2 U*	-
	March 2023	*0.089 U*	*0.89 U*	*0.092 U*	*0.085 U*	*0.085 U*	*0.089 U*	*0.085 U*	*0.089 U*	*0.089 U*	*0.35 U*	*0.34 U*	-	*2.3 U*	*2.2 U*	-
	January 2024	*1.5 U*	*1.6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.5 U*	*1.6 U*	0.48 J	6.5	0.51 J	0.28 J
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	1.3 J	*15 U*	*15 U*
	August 2024	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	2 J	*6 U*	*6 U*
	December 2024	0.61 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.72 J	*1.5 U*	*3.8 U*
	June 2025	*1.9 U*	*1.5 U*	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	*25 U*	*1.9 U*	*1.9 U*	*18.8 U*
	May 2026	*0.085 U*	*1.2 U*	-	-	*0.085 U*	*0.085 U*	*0.085 U*	*0.085 U*	-	*0.25 U*	*4.1 U*	*4.1 U*	*4.1 U*	*17 U*	*8.2 U*
Naphthalene	December 2022	0.077 J	250 E	0.064	0.059	*0.059 U*	0.061	0.059 E	1.4	0.061	290 4	390 E	-	1,400	2,300	-
	March 2023	0.077 J	250	*0.064 U*	*0.059 U*	*0.059 U*	*0.061 U*	*0.059 U*	1.4	*0.061 U*	290 E	390 E	-	1,400 E	2,300 E	-
	January 2024	1 J	418	*1.5 U*	1 J	27.7	0.78 J	5	3.3	2.9	534	320	5,670	2,550	5,680	10,300
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.48 J	*1.5 U*	0.35 J	*1.5 U*	*1.5 U*	447	243	2,950	2,970	8,700	10,400
	August 2024	*6 U*	61.9	*6 U*	*1.5 U*	1.5 J	1.3 J	*1.5 U*	*6 U*	*1.5 U*	212	210	7,020	4,680	9,250	7,480
	December 2024	*1.5 U*	113	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1 J	*1.5 U*	1 J	264	3,620	1,040	3,490	11,900
	June 2025	*1.9 U*	9.9	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	1,760	3,250	1,720	11,300	14,000
	May 2026	0.23	*0.85 U*	-	-	*0.059 U*	0.11 J	1.2	0.61	-	17	840	810	270	5,200 *1	2,400 *1
Phenanthrene	December 2022	0.12 J	63	0.13 J	0.089 J	0.1 J	0.14 J	0.099	1.3	0.13 J	3.2	2.9	-	78	31	-
	March 2023	0.12 J	63	0.13 J	0.089 J	0.1 J	0.14 J	0.099 J	1.3	0.13 J	3.2	2.9	-	78	31	-
	January 2024	*1.5 U*	100	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.42 J	0.62 J	*1.6 U*	6.9	3.6	87.9	136	62.5	50.1
	April 2024	*1.5 U*	0.57 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	7.3	4.6 J	97.9	155	70.4	64.2
	August 2024	*6 U*	135	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	6.5	5.1 J	144	115	88.6	84.2
	December 2024	*1.5 U*	114	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	4.5	109	67.6	30	71.4
	June 2025	*1.9 U*	120	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	53.2	69.3	65.2	56.9
	May 2026	*0.16 U*	38	-	-	*0.16 U*	*0.16 U*	*0.16 U*	*0.16 U*	-	1.7	*7.5 U*	47	31	35 J	*15 U*
Pyrene	December 2022	*0.056 U*	3.8	*0.059 U*	*0.054 U*	*0.054 U*	*0.056 U*	0.19	0.79	*0.097 U*	*0.31 U*	0.41 J	-	9 J	*1.5 U*	-
	March 2023	*0.056 U*	3.8	*0.059 U*	*0.054 U*	*0.054 U*	*0.056 U*	0.19	0.79	0.097 J	0.31 J	0.41 J	-	9	1.5 J	-
	January 2024	*1.5 U*	7.5	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.43 J	0.79 J	*1.6 U*	0.8 J	0.82 J	9.3	41.8	7.6	4.5
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.83 J	*6 U*	8.6	20	5.3 J	*15 U*
	August 2024	*6 U*	9.9	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*	*1.5 U*	*6 U*	*6 U*	11.8	21.1	6.8	6.6
	December 2024	0.25 J	9.4	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.71 J	9.8	12.8	2.2	7
	June 2025	*1.9 U*	8.9	-	-	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	*15.6 U*	*25 U*	5.3 J	12.5	4.2	*18.8 U*
	May 2026	*0.11 U*	2.8	-	-	*0.11 U*	*0.11 U*	*0.11 U*	*0.11 U*	-	0.44 J	*5.3 U*	*5.3 U*	9.5	*22 U*1*	*11 U*1*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-11S	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23	MW-24
Volatile Organic Compounds (µg/L)																		
Benzene	December 2022	62 E	*0.6 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	62 H	2,100 H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	224	1,720	76.3	374,000	*1 U*	26,000	30,500	128	12.9	34.2	117	3.4	66.9	604	922	93.3	152
	April 2024	273	2,720	7,500	486,000	*1 U*	18,200	16,200	6	17.7	*1 U*	150	0.88 J	45.4	2,010	608	118	88.9
	August 2024	171	2,270	47,300	627,000	*1 U*	23,900	37,300	0.35 J	*1 U*	0.75 J	137	1.5	77.3	783	646	453	53.4
	December 2024	186	2,150	4,890	629,000	*1 U*	23,200	13,100	0.73 J	*1 U*	0.42 J	113	*1 U*	13.7	885	0.38 J	21.6	43.4
	June 2025	342	2,720	11,800	606,000	*1 U*	18,100	23,700	*1 U*	*1 U*	2.9	194	-	61	835	568	177	25.8
	May 2026	210	2,500 H	2,200	370,000	*0.1 U*	12,000	10,000	*0.1 U*	*0.2 U*	0.25 J	190	-	85 H	580	2,400	300	8.6
Bromomethane	December 2022	*0.89 U*	*0.89 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.89 U^c*	*0.89 U^c*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	*5 U*	*50 U*	*50 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	0.52 J
	December 2024	*1 U*	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	8.2 J	*50 U*	3.9 J	0.39 J
	May 2026	*0.1 U*	*0.5 U*	*10 U*	*500 U*	*0.1 U*	*50 U*	*50 U*	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	-	*0.1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.1 U*
Chlorobenzene	December 2022	*0.5 U*	*0.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.5 U*	*0.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	*5 U*	*50 U*	*50 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*
	December 2024	*1 U*	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	*10 U*	*50 U*	*5 U*	*1 U*
	May 2026	*0.07 U*	*0.35 U*	*7 U*	*350 U*	*0.07 U*	*35 U*	*35 U*	*0.07 U*	*0.14 U*	*0.07 U*	*0.07 U*	-	*0.07 U*	*0.7 U*	*0.35 U*	*0.35 U*	*0.07 U*
Chloroethane	December 2022	*0.9 U*	*0.9 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.9 U^c*	*0.9 U^c*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	2.9 J	*50 U*	*50 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*
	December 2024	*1 U*	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	*10 U*	*50 U*	*5 U*	*1 U*
	May 2026	*0.1 U*	*0.5 U*	*10 U*	*500 U*	*0.1 U*	*50 U*	*50 U*	*0.1 U*	*0.2 U*	*0.1 U*	*0.1 U*	-	*0.1 U*	*1 U*	*0.5 U*	*0.5 U*	*0.1 U*
Chloromethane	December 2022	*0.9 U^c*	*0.9 U^c*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.9 U^c*	*0.9 U^c*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	0.44 J	*50 U*	*50 U*	2.1 J	2 J	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	2.5 J
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	*5 U*	*50 U*	*50 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*
	December 2024	*1 U*	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	3.4 J	*50 U*	*5 U*	*1 U*
	May 2026	*0.22 U*	*1.1 U*	*10 U*	*1,100 U*	*0.1 U*	*50 U*	*50 U*	*0.22 U*	*0.44 U*	*0.22 U*	*0.22 U*	-	*0.22 U*	*2.2 U*	*1.1 U*	*1.1 U*	*0.22 U*
Dichlorodifluoromethane	December 2022	*0.83 U*	*0.83 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.83 U^c*	*0.83 U^c*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	*5 U*	*50 U*	*50 U*	*200 U*	*1 U*	*50 U*	*50 U*	0.47 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*
	December 2024	*1 U*	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	*10 U*	*50 U*	*5 U*	*1 U*
	May 2026	*0.22 U^c*	*1.1 U^c*	*10 U*	*1,100 U*	*0.1 U*	*50 U*	*50 U*	*0.22 U*	*0.44 U*	*0.22 U*	*0.22 U*	-	*0.22 U^c*	*2.2 U^c*	*1.1 U*	*1.1 U^c*	*0.22 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-11S	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23	MW-24
Volatile Organic Compounds (µg/L)																		
Ethylbenzene	December 2022	0.53	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.53 J	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	3 J	25.5 J	*50 U*	*50 U*	*1 U*	54.5	79.1	*5 U*	*5 U*	0.43 J	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	2.8 J	34.9 J	270	193	*1 U*	35.3 J	38.1 J	*1 U*	*1 U*	*1 U*	1.6	*1 U*	*5 U*	45.6 J	40.7 J	*1 U*	0.81 J
	August 2024	2.2 J	26.8 J	343	*200 U*	*1 U*	36.3 J	73.4	*1 U*	*1 U*	*1 U*	1.8	*1 U*	3	*50 U*	*50 U*	0.96 J	0.81 J
	December 2024	2.5	25.5 J	*1,000 U*	*200 U*	*1 U*	37.8 J	34.5 J	*1 U*	*1 U*	*1 U*	2.9	*1 U*	*5 U*	10.2	*1 U*	*5 U*	0.57 J
	June 2025	3.4	25.9 J	545	163	*1 U*	59.3	61.4	*1 U*	*1 U*	*1 U*	1.7	-	*5 U*	10.4	*50 U*	*5 U*	*1 U*
	May 2026	1.8	17	130	*400 U*	*0.08 U*	*40 U*	*40 U*	*0.08 U*	*0.16 U*	*0.08 U*	1.4	-	0.79	10	28	0.62 J	*0.08 U*
Isopropylbenzene	December 2022	*0.34 U*	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.34 U*	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	12.9 J	*1 U*	*50 U*	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	8.9	15 J	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	0.5 J	*1 U*	1.3 J	*50 U*	*50 U*	*1 U*	*1 U*
	August 2024	*5 U*	*50 U*	12.1 J	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	0.61 J	*1 U*	0.32 J	*50 U*	*50 U*	*1 U*	*1 U*
	December 2024	0.48 J	*50 U*	*1,000 U*	*200 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	0.62 J	*1 U*	*5 U*	*10 U*	*1 U*	*5 U*	*1 U*
	June 2025	0.56 J	*50 U*	18.2 J	12.8 J	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*1 U*	0.64 J	-	*5 U*	*10 U*	*50 U*	*5 U*	*1 U*
	May 2026	0.34 J	1.8 J	*8 U*	*400 U*	*0.08 U*	*40 U*	*40 U*	*0.08 U*	*0.16 U*	*0.08 U*	0.56	-	*0.08 U*	*0.8 U*	0.96 J	*0.4 U*	*0.08 U*
m&p-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	3.9 J	40.1 J	29.1 J	6,080	*2 U*	829	621	3 J	*10 U*	0.59 J	*10 U*	*2 U*	3.2 J	*100 U*	*100 U*	*2 U*	3.4 J
	April 2024	3 J	53.4 J	2,390	6,320	*2 U*	491	298	1.3 J	2	*2 U*	1.9 J	*2 U*	11.8	84.8 J	77.9 J	*2 U*	2 J
	August 2024	2.8 J	44.7 J	2,140	5,590	*2 U*	523	581	*2 U*	*2 U*	*2 U*	1.8 J	*2 U*	9.4	*100 U*	*100 U*	0.58 J	0.92 J
	December 2024	3.2	49.6 J	*2,000 U*	2,790	*2 U*	568	344	*2 U*	*2 U*	*2 U*	0.83 J	*2 U*	*10 U*	12.4 J	*2 U*	*10 U*	*2 U*
	June 2025	5.3	47.3 J	2,080	6,420	*2 U*	326	348	*2 U*	*2 U*	*2 U*	1.9 J	-	3.7 J	14.9 J	*100 U*	*10 U*	*2 U*
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	4.2 J	47.1 J	*50 U*	1,470	*1 U*	305	235	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	2.2 J	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	3.2 J	67.7	776	1,360	*1 U*	182	114	0.44 J	0.72 J	*1 U*	2.3	*1 U*	3.8 J	58.4	18.2 J	*1 U*	0.94 J
	August 2024	3.2 J	64.7	1,180	1,330	*1 U*	213	211	*1 U*	*1 U*	*1 U*	1.6	*1 U*	7.5	21.8 J	*50 U*	*1 U*	0.79 J
	December 2024	3.3	61.7	*1,000 U*	679	*1 U*	221	141	*1 U*	*1 U*	*1 U*	0.61 J	*1 U*	*5 U*	19.4	*1 U*	*5 U*	*1 U*
	June 2025	6.6	80.9	1,810	1,320	*1 U*	149	156	*1 U*	*1 U*	*1 U*	2.1	-	2.5 J	20.5	*50 U*	*5 U*	*1 U*
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	December 2022	*0.47 U*	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.47 U*	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*5 U*	*50 U*	*50 U*	*50 U*	*1 U*	77.2	*50 U*	*5 U*	*5 U*	*1 U*	*5 U*	*1 U*	*5 U*	*50 U*	*50 U*	*1 U*	*5 U*
	April 2024	*5 U*	*50 U*	*5 U*	*50 U*	*1 U*	46 J	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	17.6 J	*50 U*	*1 U*	0.24 J
	August 2024	*5 U*	17.7 J	33.9 J	*200 U*	*1 U*	63.7	18.1 J	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	0.94 J	*50 U*	*50 U*	*1 U*	0.53 J
	December 2024	0.24 J	*50 U*	*1,000 U*	*200 U*	*1 U*	55.4	*50 U*	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	*5 U*	5.8 J	*1 U*	*5 U*	*1 U*
	June 2025	0.68 J	*50 U*	*50 U*	*50 U*	*1 U*	14.7 J	15 J	*1 U*	*1 U*	*1 U*	*1 U*	-	*5 U*	7.7 J	*50 U*	*5 U*	*1 U*
	May 2026	0.16 J	*0.35 U*	*7 U*	*350 U*	*0.07 U*	*35 U*	*35 U*	*0.07 U*	*0.14 U*	*0.07 U*	0.16 J	-	0.17 J	*0.7 U*	23	*0.35 U*	*0.07 U*
Toluene	December 2022	0.46 J	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.46 U*	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	1.3 J	13.6 J	34.8 J	79,600	*1 U*	4,880	1,330	28.6	3.8 J	4.4	4.3 J	*1 U*	4.9 J	*50 U*	*50 U*	*1 U*	11.9
	April 2024	*5 U*	*50 U*	1,060	66,800	*1 U*	2,760	349	0.95 J	1.2	*1 U*	0.46 J	*1 U*	4.3 J	34.1 J	*50 U*	*1 U*	1.2
	August 2024	*5 U*	*50 U*	941	74,100	*1 U*	3,140	119	*1 U*	*1 U*	*1 U*	0.44 J	*1 U*	14.8	*50 U*	*50 U*	*1 U*	1.1
	December 2024	0.6 J	12.9 J	*1,000 U*	72,900	*1 U*	2,480	217	*1 U*	*1 U*	*1 U*	*1 U*	*1 U*	1.4 J	5.8 J	*1 U*	*5 U*	*1 U*
	June 2025	0.95 J	11.7 J	59.2	93,600	*1 U*	118	129	*1 U*	*1 U*	0.81 J	0.66 J	-	6.4	9.5 J	*50 U*	*5 U*	*1 U*
	May 2026	0.51	3.2	23 J	52,000	*0.08 U*	2,100	58 J	*0.08 U*	*0.16 U*	*0.08 U*	0.61	-	4.7	1.3 J	25	*0.4 U*	*0.08 U*

TABLE 6

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ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-11S	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23	MW-24
Volatile Organic Compounds (µg/L)																		
Total Xylenes	December 2022	4.5	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*4.5 UH*	*110 UH*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	8.1 J	87.3 J	*150 U*	7,540	*3 U*	1,130	857	*15 U*	*15 U*	*3 U*	*15 U*	*3 U*	5.4 J	*150 U*	*150 U*	*3 U*	3.4 J
	April 2024	6.2 J	121 J	3,170	7,690	*3 U*	673	412	1.7 J	2.8 J	*3 U*	4.2	*3 U*	15.7	143 J	96.1 J	*3 U*	2.9 J
	August 2024	6 J	109 J	3,330	6,920	*3 U*	736	792	*3 U*	*3 U*	*3 U*	3.4	*3 U*	16.9	37.2 J	*150 U*	*3 U*	1.7 J
	December 2024	6.5	111 J	*3,000 U*	3,470	*3 U*	789	485	*3 U*	*3 U*	*3 U*	1.4 J	*3 U*	*15 U*	31.8	*3 U*	*15 U*	*3 U*
	June 2025	11.9	128 J	3,890	7,730	*3 U*	475	504	*3 U*	*3 U*	*3 U*	3.9	-	6.1 J	35.5	*150 U*	*15 U*	*3 U*
	May 2026	5.1	71	1,200	2,300 J	*0.07 U*	520	180 J	*0.07 U*	*0.14 U*	*0.07 U*	3.6	-	4.5	12	100	0.53 J	*0.07 U*
Semi-Volatile Organic Compounds (µg/L)																		
Acenaphthene	December 2022	0.54	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.54	*6.8 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	1 J	5.2	0.8 J	*3.8 U*	*1.6 U*	18.9	223	1.2 J	*1.5 U*	*1.5 U*	1.7	2.4	*1.5 U*	0.49 J	0.85 J	*1.6 U*	0.28 J
	April 2024	0.89 J	8.8	0.78 J	*1.5 U*	*1.5 U*	40.3	151	*1.5 U*	*1.5 U*	*1.5 U*	2.2	*1.5 U*	0.33 J	0.48 J	0.52 J	*1.5 U*	*1.5 U*
	August 2024	0.92 J	8.2	8.9	*6 U*	*6 U*	32.9	258	*6 U*	*6 U*	*1.5 U*	4.2	0.35 J	0.35 J	0.53 J	0.9 J	*1.5 U*	*6 U*
	December 2024	1.4 J	8.5	3.5	*1.5 U*	*1.5 U*	16.3	200	0.42 J	*1.5 U*	*1.5 U*	4.2	*1.5 U*	0.51 J	1 J	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	1.6	8.8	3.2	*18.8 U*	*1.5 U*	63.6	166	*1.5 U*	*1.5 U*	*1.5 U*	4.9	-	*1.9 U*	0.81 J	1.5 J	*1.5 U*	*1.5 U*
	May 2026	1	3.9 J	0.98	*6.3 U*	0.087 J	51 J	52	*0.065 U*	*0.063 U*	*0.063 U*	3.5	-	*0.25 U*	0.59 J	*1.6 U*	0.1 J	*0.065 U*
Acenaphthylene	December 2022	0.65	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.65	9.5 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	1.5 J	24.7	4.8	*3.8 U*	*1.6 U*	-	6.7	0.35 J	*1.5 U*	*1.5 U*	1.4 J	*1.5 U*	0.77 J	1.3 J	2.8	*1.6 U*	*1.5 U*
	April 2024	0.57 J	43.5	*1.5 U*	*1.5 U*	*1.5 U*	252	4.7	*1.5 U*	*1.5 U*	*1.5 U*	1.8	*1.5 U*	0.71 J	0.73 J	1.9	*1.5 U*	*1.5 U*
	August 2024	0.55 J	39.6	35.7	*6 U*	*6 U*	365	14.4	*6 U*	*6 U*	*1.5 U*	3.4	*1.5 U*	2	*1.5 U*	1.2 J	*1.5 U*	*6 U*
	December 2024	1.5 J	36.8	8.5	*1.5 U*	*1.5 U*	274	7.4	0.83 J	*1.5 U*	*1.5 U*	2.5	*1.5 U*	0.75 J	1.9	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	1.1 J	29.3	7.6	*18.8 U*	*1.5 U*	308	7.3 J	*1.5 U*	*1.5 U*	*1.5 U*	3.2	-	0.95 J	2.1	4.4	*1.5 U*	*1.5 U*
	May 2026	0.55	12	1	*6.3 U*	*0.063 U*	73	*2.5 U*	*0.065 U*	*0.063 U*	*0.063 U*	1.5	-	0.34 J	1.7	*1.6 U*	0.15 J	*0.065 U*
Anthracene	December 2022	*0.071 U*	5.1 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.071 J	*5.1 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	0.75 J	1.1 J	*3.8 U*	*1.6 U*	19.1	11.5	0.5 J	*1.5 U*	*1.5 U*	*1.5 U*	1.4 J	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	1.3 J	*1.5 U*	*1.5 U*	*1.5 U*	15.8	9.7	*1.5 U*	*1.5 U*	*1.5 U*	0.34 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	22.4	13.5	*6 U*	*6 U*	*1.5 U*	0.65 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	1.2 J	0.28 J	*1.5 U*	*1.5 U*	15.8	8.3	*1.5 U*	*1.5 U*	*1.5 U*	0.75 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	1.1 J	0.44 J	*18.8 U*	*1.5 U*	18.7	10 J	*1.5 U*	*1.5 U*	*1.5 U*	0.72 J	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	0.099 J	*2.4 U*	0.35 J	*4.7 U*	*0.047 U*	*14 U*	3.7 J	*0.049 U*	*0.047 U*	*0.047 U*	0.45	-	*0.19 U*	*0.19 U*	*1.2 U*	0.12 J	*0.049 U*
Benzo(a)anthracene	December 2022	*0.075 U*	*7.8 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.075 U*	*7.8 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	3	0.62 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.43 J	0.8 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.75 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.075 U*	*3.6 U*	*0.36 U*	*7.2 U*	*0.072 U*	*22 U*	*2.9 U*	*0.075 U*	*0.072 U*	*0.072 U*	*0.075 U*	-	*0.29 U*	*0.29 U*	*1.8 U*	*0.075 U*	*0.075 U*
Benzo(a)pyrene	December 2022	*0.053 U*	*5.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.053 U*	*5.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	2.3	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.35 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.32 J	0.27 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.13 U*	*6.2 U*	*0.62 U*	*12 U*	*0.12 U*	*37 U*	*4.9 U*	*0.13 U*	*0.12 U*	*0.12 U*	*0.13 U*	-	*0.49 U*	*0.49 U*	*3.1 U*	*0.13 U*	*0.13 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-11S	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23	MW-24
Semi-Volatile Organic Compounds (µg/L)																		
Benzo(b)fluoranthene	December 2022	*0.097 U*	*10 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.097 U*	*10 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	1.8	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.26 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.097 U*	*4.7 U*	*0.47 U*	*9.3 U*	*0.093 U*	*28 U*	*3.7 U*	*0.097 U*	*0.093 U*	*0.093 U*	*0.097 U*	-	*0.37 U*	*0.37 U*	*2.3 U*	*0.097 U*	*0.097 U*
Benzo(g,h,i)perylene	December 2022	*0.069 U*	*7.2 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.069 U*	*7.2 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	1.2 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.069 U*	*3.3 U*	*0.33 U*	*6.6 U*	*0.066 U*	*20 U*	*2.7 U*	*0.069 U*	*0.066 U*	*0.066 U*	*0.069 U*	-	*0.27 U*	*0.27 U*	*1.7 U*	*0.069 U*	*0.069 U*
Benzo(k)fluoranthene	December 2022	*0.088 U*	*9.2 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.088 U*	*9.2 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	1.9	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.088 U*	*4.2 U*	*0.42 U*	*8.5 U*	*0.085 U*	*25 U*	*3.4 U*	*0.088 U*	*0.085 U*	*0.085 U*	*0.088 U*	-	*0.34 U*	*0.34 U*	*2.1 U*	*0.088 U*	*0.088 U*
Biphenyl	December 2022	0.47 J	15 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.47 J	*15 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	0.97 J	7.5	1 J	*7.5 U*	*3.3 U*	31.3	27	0.27 J	*3 U*	*3 U*	0.65 J	*3.1 U*	0.42 J	0.54 J	1.2 J	*3.2 U*	*3 U*
	April 2024	0.93 J	14.7	*3 U*	*3 U*	*3 U*	*3 U*	13.5	*3 U*	*3 U*	*3 U*	*3 U*	*3 U*	0.86 J	*3 U*	*3 U*	*3 U*	*3 U*
	August 2024	0.85 J	12.6	2.4 J	*12 U*	*12 U*	37.2	28.3	*12 U*	*12 U*	*3 U*	1.6 J	*3 U*	0.94 J	0.65 J	1.1 J	*3 U*	*12 U*
	December 2024	0.98 J	12.8	1.7 J	*3 U*	*3 U*	30.6	23.2	*3 U*	*3 U*	*3 U*	1.5 J	*3 U*	0.45 J	0.9 J	*3 U*	*3 U*	*3 U*
	June 2025	1.2 J	13.1	1.1 J	*37.5 U*	*3 U*	37.6	28.6 J	*3 U*	*3 U*	*3.1 U*	1.6 J	-	0.59 J	0.99 J	1.4 J	*3 U*	*3 U*
	May 2026	0.97 J	*6.8 U*	*0.68 U*	*14 U*	*0.14 U*	*41 U*	7.4 J	*0.14 U*	*0.14 U*	*0.14 U*	0.6 J	-	*0.55 U*	0.64 J	*3.4 U*	0.16 J	*0.14 U*
Chrysene	December 2022	*0.081 U*	*8.4 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.081 U*	*8.4 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	2.6	0.46 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	0.51 J	0.35 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.081 U*	*3.9 U*	*0.39 U*	*7.8 U*	*0.078 U*	*23 U*	*3.1 U*	*0.081 U*	*0.078 U*	*0.078 U*	*0.081 U*	-	*0.31 U*	*0.31 U*	*1.9 U*	*0.081 U*	*0.081 U*
Dibenzo(a,h)anthracene	December 2022	*0.072 U*	*7.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.072 U*	*7.5 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	0.36 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.072 U*	*3.5 U*	*0.35 U*	*6.9 U*	*0.069 U*	*21 U*	*2.8 U*	*0.072 U*	*0.069 U*	*0.069 U*	*0.072 U*	-	*0.28 U*	*0.28 U*	*1.7 U*	*0.072 U*	*0.072 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-11S	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23	MW-24
Semi-Volatile Organic Compounds (µg/L)																		
Fluoranthene	December 2022	*0.067 U*	*6.3 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.067 J	*6.3 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	0.26 J	1.5	*3.8 U*	*1.6 U*	15.1	10	0.67 J	*1.5 U*	0.38 J	0.32 J	2	*1.5 U*	0.3 J	0.5 J	*1.6 U*	0.32 J
	April 2024	*1.5 U*	0.47 J	0.56 J	*1.5 U*	*1.5 U*	10.5	12.1	0.41 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	1.7 J	*6 U*	*6 U*	15.2	16.6	*6 U*	*6 U*	*1.5 U*	0.41 J	*1.5 U*	*1.5 U*	*1.5 U*	0.25 J	*1.5 U*	*6 U*
	December 2024	*1.5 U*	0.49 J	1.8	*1.5 U*	*1.5 U*	12.6	9.1	0.38 J	*1.5 U*	*1.5 U*	0.57 J	*1.5 U*	*1.5 U*	*1.5 U*	0.41 J	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	0.45 J	0.83 J	*18.8 U*	*1.5 U*	18.4	13.9 J	*1.5 U*	*1.5 U*	*1.5 U*	0.42 J	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	0.093 J	*2.9 U*	0.33 J	*5.8 U*	0.072 J	*17 U*	8.3	*0.06 U*	*0.058 U*	*0.058 U*	0.41	-	*0.23 U*	0.29 J	*1.4 U*	0.086 J	*0.06 U*
Fluorene	December 2022	0.35	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.35	*7.2 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	0.76 J	14.4	4.3	*3.8 U*	*1.6 U*	77.2	109	1.6	*1.5 U*	0.31 J	1.8	3	0.41 J	0.35 J	0.96 J	*1.6 U*	*1.5 U*
	April 2024	0.66 J	31.3	1.6	2.4	*1.5 U*	85.7	76.8	*1.5 U*	*1.5 U*	*1.5 U*	3.2	*1.5 U*	0.69 J	0.33 J	0.54 J	*1.5 U*	*1.5 U*
	August 2024	0.72 J	24.7	4.7 J	4.1 J	*6 U*	116	124	*6 U*	*6 U*	*1.5 U*	6.3	0.27 J	0.88 J	0.59 J	0.93 J	*1.5 U*	*6 U*
	December 2024	0.86 J	25.7	2.9	0.67 J	*1.5 U*	89.7	92.2	0.86 J	*1.5 U*	*1.5 U*	6	*1.5 U*	0.37 J	0.87 J	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	1 J	26.8	2	*18.8 U*	*1.5 U*	116	84	*1.5 U*	*1.5 U*	*1.5 U*	7.5	-	0.44 J	0.56 J	1.2 J	*1.5 U*	*1.5 U*
	May 2026	1	11	0.75 J	*6.6 U*	0.07 J	43 J	29	0.078 J	*0.066 U*	*0.066 U*	5.2	-	*0.27 U*	0.5 J	*1.7 U*	0.14 J	*0.069 U*
Indeno(1,2,3-cd)pyrene	December 2022	*0.085 U*	*8.9 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.085 U*	*8.9 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*1.6 U*	1.4 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.6 U*	*1.6 U*	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.085 U*	*4.1 U*	*0.41 U*	*8.2 U*	*0.082 U*	*25 U*	*3.3 U*	*0.085 U*	*0.082 U*	*0.082 U*	*0.085 U*	-	*0.33 U*	*0.33 U*	*2 U*	*0.085 U*	*0.085 U*
Naphthalene	December 2022	22	1,200 E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	22	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	138	1,740	8.4	78.7	*1.6 U*	8,120	5,560	15.1	2.4	5.1	82.3	0.26 J	52.4	617	295	2.2	28.6
	April 2024	*1.5 U*	2,440	63.9	69.2	0.89 J	5,100	2,880	1.4 J	0.92 J	*1.5 U*	27.6	*1.5 U*	204	1,660	164	0.75 J	0.82 J
	August 2024	1.8	2,660	2,100	72	3.3 J	7,140	6,810	*6 U*	*6 U*	0.82 J	153	*1.5 U*	464	*1.5 U*	258	3.7	*6 U*
	December 2024	106	2,910	439	57.1	2.2	4,430	3,620 E	5.8	*1.5 U*	*1.5 U*	62.3	*1.5 U*	46.2	411	2.2	*1.5 U*	*1.5 U*
	June 2025	16.3	406	481	62.7	1.4 J	9,370	4,110	0.76 J	*1.5 U*	*1.5 U*	83.7	-	117	1.5 J	148	3.1	*1.5 U*
	May 2026	0.31	780	41	52	0.24	3,400	520	0.2	*0.057 U*	0.2	27	-	78	51	470	1.7	0.23
Phenanthrene	December 2022	0.25 J	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	0.25	*5.7 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	0.31 J	5.2	6.6	1.6 J	0.38 J	77.7	85.9	2.9	0.59 J	0.42 J	0.79 J	*1.5 U*	*1.5 U*	0.47 J	0.97 J	0.58 J	0.37 J
	April 2024	0.3 J	12.7	0.53 J	0.71 J	*1.5 U*	77.3	69.6	0.54 J	*1.5 U*	*1.5 U*	2.4	*1.5 U*	0.29 J	0.3 J	0.49 J	*1.5 U*	*1.5 U*
	August 2024	0.28 J	10	10.5	1.5 J	*6 U*	117	111	*6 U*	*6 U*	*1.5 U*	5.1	*1.5 U*	0.31 J	0.31 J	0.61 J	*1.5 U*	*6 U*
	December 2024	0.35 J	10.2	3.5	0.59 J	0.29 J	83.2	65.6	0.51 J	*1.5 U*	*1.5 U*	5.5	*1.5 U*	*1.5 U*	0.67 J	0.54 J	*1.5 U*	*1.5 U*
	June 2025	0.3 J	12.1	1.1 J	*18.8 U*	*1.5 U*	113	77.3	*1.5 U*	*1.5 U*	*1.5 U*	5.6	-	*1.9 U*	*1.9 U*	0.37 J	*1.5 U*	*1.5 U*
	May 2026	0.37	*7.5 U*	*0.75 U*	*15 U*	*0.15 U*	*45 U*	32	*0.16 U*	*0.15 U*	*0.15 U*	2.8	-	*0.6 U*	*0.6 U*	*3.8 U*	*0.16 U*	*0.16 U*
Pyrene	December 2022	*0.054 U*	*5.6 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	*0.054 U*	*5.6 U*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	0.99 J	*3.8 U*	*1.6 U*	11.1	6.3	0.43 J	*1.5 U*	0.28 J	*1.5 U*	1.3 J	*1.5 U*	*1.6 U*	0.31 J	*1.6 U*	*1.5 U*
	April 2024	*1.5 U*	*1.5 U*	0.5 J	*1.5 U*	*1.5 U*	7.5	7.3	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	August 2024	*1.5 U*	*6 U*	1.1 J	*6 U*	*6 U*	10.9	11.8	*6 U*	*6 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	December 2024	*1.5 U*	*1.5 U*	0.98 J	*1.5 U*	*1.5 U*	9	5.8	0.25 J	*1.5 U*	*1.5 U*	0.28 J	*1.5 U*	*1.5 U*	*1.5 U*	0.28 J	*1.5 U*	*1.5 U*
	June 2025	*1.5 U*	*1.9 U*	0.77 J	*18.8 U*	*1.5 U*	10.8 J	7.6 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.9 U*	-	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.5 U*
	May 2026	*0.11 U*	*5.3 U*	*0.53 U*	*11 U*	*0.11 U*	*32 U*	*4.3 U*	*0.11 U*	*0.11 U*	*0.11 U*	0.23	-	*0.43 U*	*0.43 U*	*2.7 U*	*0.11 U*	*0.11 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D
Volatile Organic Compounds (µg/L)																		
Benzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	13,000	4,860	3,970	11,500	*1 U*	15,300	19.5	33,600	*1 U*	*1 U*	7,300	7,140	*5 U*	4.2	7,740	18,000
	April 2024	*1 U*	14,000	5,280	1,520	9,390	*1 U*	16,600	15	29,400	*1 U*	*1 U*	5,790	3,540	*5 U*	*1 U*	1,090	1,350
	August 2024	1.1	14,100	2,550	390	12,200	*1 U*	24,100	179	24,100	*1 U*	0.55 J	4,930	4,550	*5 U*	*1 U*	6,520	11,800
	December 2024	*1 U*	14,400	4,060	1,640	5,090	2.8	13,400	*1 U*	19,100	*1 U*	*1 U*	3,370	3,810	3.1	*1 U*	7,910	6,260
	June 2025	-	13,600	4,720	245	8,140	*1 U*	16,200	1.3	11,800	-	*1 U*	2,490	2,200	0.94 J	*1 U*	7,060	6,240
	May 2026	-	13,000	5,000	1,000 H	13,000	*0.1 U*	11,000	0.16 J	9,100	-	*0.1 U*	1,000 H	1,200	1.6	*0.1 U*	5,000 H	5,900 H
Bromomethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*1 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	2 J	*1 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	19.8 J	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	0.53 J	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*
	May 2026	-	*50 U*	*20 U*	*1 U^c*	*50 U*	*0.1 U*	*10 U*	*0.1 U*	*5 U*	-	*0.1 U*	*5 U^c*	*5 U^c*	*0.1 U*	*0.1 U*	*20 U^c*	*20 U^c*
Chlorobenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	11.1 J	*1 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	14 J
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*
	May 2026	-	*35 U*	*14 U*	*0.7 U*	*35 U*	*0.07 U*	*7 U*	*0.07 U*	*3.5 U*	-	*0.07 U*	*3.5 U*	*3.5 U*	*0.07 U*	*0.07 U*	*14 U*	*14 U*
Chloroethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*1 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	633	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*
	May 2026	-	*50 U*	*20 U*	*1 U^c*	*50 U*	*0.1 U*	*10 U*	*0.1 U*	*5 U*	-	*0.1 U*	*5 U^c*	*5 U^c*	*0.1 U*	*0.1 U*	*20 U^c*	*20 U^c*
Chloromethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	0.41 J	20.7 J	*50 U*	*50 U*	*50 U*	*1 U*	17.1 J	0.35 J	*50 U*	0.36 J	*1 U*	*50 U*	*50 U*	*5 U*	0.33 J	16.3 J	18.1 J
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*
	May 2026	-	*110 U*	*44 U*	*2.2 U*	*110 U*	*0.22 U*	*22 U*	*0.22 U*	*11 U*	-	*0.22 U*	*11 U*	*11 U*	*0.22 U^c*	*0.22 U*	*44 U*	*44 U*
Dichlorodifluoromethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*1 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*
	May 2026	-	*110 U*	*44 U*	*2.2 U*	*110 U*	*0.22 U*	*22 U*	*0.22 U^c*	*11 U*	-	*0.22 U^c*	*11 U*	*11 U*	*0.22 U*	*0.22 U*	*44 U*	*44 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D
Volatile Organic Compounds (µg/L)																		
Ethylbenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	990	770	21.8 J	119	*1 U*	2,240	0.49 J	155	*1 U*	*1 U*	71.5	109	*5 U*	*1 U*	218	*50 U*
	April 2024	*1 U*	932	824	*50 U*	99	*1 U*	1,710	*1 U*	*500 U*	*1 U*	*1 U*	83.2	91.1	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	850	400	*50 U*	127	*1 U*	*1,000 U*	5.9	*500 U*	*1 U*	*1 U*	63.6	92.7	*5 U*	*1 U*	167	*250 U*
	December 2024	*1 U*	1,040	587	17.3 J	53.5 J	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	165	104	*1 U*	*1 U*	219 J	*500 U*
	June 2025	-	1,300	577	*50 U*	60 J	*1 U*	2,540	*1 U*	*500 U*	-	*1 U*	59.9	73.4	*1 U*	*1 U*	135	*50 U*
	May 2026	-	1,200	560	13	93 J	*0.08 U*	1,600 ES	*0.08 U*	80	-	*0.08 U*	40	52	*0.08 U*	*0.08 U*	93 J	120
Isopropylbenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*50 U*	*1 U*	*50 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*50 U*
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1,000 U*	*1 U*	*500 U*	*1 U*	*1 U*	*50 U*	*50 U*	*5 U*	*1 U*	*50 U*	*250 U*
	December 2024	*1 U*	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*500 U*	*1 U*	*500 U*	*1 U*	*1 U*	16 J	*50 U*	*1 U*	*1 U*	*500 U*	*500 U*
	June 2025	-	*50 U*	*50 U*	*50 U*	*100 U*	*1 U*	*50 U*	*1 U*	*500 U*	-	*1 U*	*50 U*	*50 U*	*1 U*	*1 U*	19.2 J	*50 U*
	May 2026	-	*40 U*	*16 U*	*0.8 U*	*40 U*	*0.08 U*	23 J	*0.08 U*	*4 U*	-	*0.08 U*	*4 U*	*4 U*	*0.08 U*	*0.08 U*	17 J	*16 U*
m&p-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*2 U*	826	549	270	690	*2 U*	32,600	1.5 J	1,060	*2 U*	*2 U*	386	551	*10 U*	0.61 J	1,880	1,650
	April 2024	*2 U*	789	591	202	505	*2 U*	27,100	0.71 J	1,330	*2 U*	*2 U*	402	439	*10 U*	*2 U*	284	*500 U*
	August 2024	*2 U*	684	301	80 J	682	*2 U*	37,900	19.8	796 J	*2 U*	*2 U*	221	400	*10 U*	*2 U*	1,420	1,350
	December 2024	*2 U*	894	483	162	358	*2 U*	32,900	*2 U*	996 J	*2 U*	*2 U*	563	405	*2 U*	*2 U*	1,950	1,690
	June 2025	-	972	467	90.6 J	458	*2 U*	42,300	*2 U*	500 J	-	*2 U*	71 J	252	*2 U*	*2 U*	1,710	1,980
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	427	299	132	352	*1 U*	10,400	0.72 J	534	*1 U*	*1 U*	217	237	*5 U*	*1 U*	527	462
	April 2024	*1 U*	394	304	106	262	*1 U*	8,520	0.49 J	551	*1 U*	*1 U*	248	208	*5 U*	*1 U*	77.6	217 J
	August 2024	*1 U*	347	167	49.1 J	328	*1 U*	11,500	14.6	467 J	*1 U*	*1 U*	171	207	*5 U*	*1 U*	403	395
	December 2024	*1 U*	452	267	74.6	245	*1 U*	9,600	*1 U*	547	*1 U*	*1 U*	328	239	0.99 J	*1 U*	551	504
	June 2025	-	482	261	54.1	260	*1 U*	12,500	*1 U*	306 J	-	*1 U*	117	167	*1 U*	*1 U*	542	563
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	21 J	18 J	*50 U*	81.5	*1 U*	398	0.38 J	67.1	*1 U*	*1 U*	38.2 J	159	*5 U*	0.46 J	177	377
	April 2024	*1 U*	*50 U*	*50 U*	*50 U*	26.7 J	*1 U*	335 J	*1 U*	*500 U*	*1 U*	*1 U*	24.4 J	77.5	*5 U*	*1 U*	14.2 J	*250 U*
	August 2024	*1 U*	*50 U*	*50 U*	*50 U*	59.5	*1 U*	505 J	1.1	184 J	*1 U*	*1 U*	*50 U*	58.4	*5 U*	*1 U*	85.7	158 J
	December 2024	*1 U*	19.7 J	16.6 J	23.8 J	56.5 J	*1 U*	369 J	*1 U*	*500 U*	*1 U*	*1 U*	31.5 J	63.4	*1 U*	*1 U*	209 J	188 J
	June 2025	-	*50 U*	*50 U*	*50 U*	52.5 J	*1 U*	462	*1 U*	*500 U*	-	*1 U*	*50 U*	45.4 J	*1 U*	*1 U*	159	122
	May 2026	-	*35 U*	*14 U*	14	140 J	*0.07 U*	600	*0.07 U*	30	-	*0.07 U*	*3.5 U*	29	*0.07 U*	*0.07 U*	160	*14 U*
Toluene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	1,230	497	419	1,740	*1 U*	26,100	1.3	3,200	*1 U*	*1 U*	1,010	1,170	*5 U*	1.3	1,450	5,540
	April 2024	*1 U*	1,240	491	294	1,210	*1 U*	23,600	0.49 J	3,230	*1 U*	*1 U*	725	578	*5 U*	*1 U*	427	*250 U*
	August 2024	*1 U*	1,040	214	158	1,740	*1 U*	32,200	2.8	2,810	*1 U*	*1 U*	303	572	*5 U*	*1 U*	1,220	3,220
	December 2024	*1 U*	1,190	340	221	496	*1 U*	25,300	*1 U*	2,740	*1 U*	*1 U*	431	648	*1 U*	*1 U*	1,430	2,260
	June 2025	-	1,160	358	117	1,240	*1 U*	30,300	*1 U*	1,940	-	*1 U*	125	286	*1 U*	*1 U*	1,360	2,110
	May 2026	-	1,000	370	150	2,600	*0.08 U*	20,000	*0.08 U*	1,300	-	*0.08 U*	56	170	*0.08 U*	*0.08 U*	1,300	1,500

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D
Volatile Organic Compounds (µg/L)																		
Total Xylenes	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3 U*	1,250	848	401	1,040	*3 U*	43,000	2.2 J	1,590	*3 U*	*3 U*	603	788	*15 U*	*3 U*	2,410	2,110
	April 2024	*3 U*	1,180	895	308	766	*3 U*	35,700	1.2 J	1,880	*3 U*	*3 U*	650	647	*15 U*	*3 U*	361	217 J
	August 2024	*3 U*	1,030	469	129 J	1,010	*3 U*	49,400	34.4	1,260 J	*3 U*	*3 U*	392	607	*15 U*	*3 U*	1,820	1,750
	December 2024	*3 U*	1,350	750	236	603	*3 U*	42,500	*3 U*	1,540	*3 U*	*3 U*	891	643	0.99 J	*3 U*	2,500	2,200
	June 2025	-	1,450	728	145 J	718	*3 U*	54,800	*3 U*	806 J	-	*3 U*	188	419	*3 U*	*3 U*	2,250	2,550
	May 2026	-	1,200	700	240	1,000	*0.07 U*	35,000	*0.07 U*	760	-	*0.07 U*	110	300	0.12 J	*0.07 U*	1,900	2,600
Semi-Volatile Organic Compounds (µg/L)																		
Acenaphthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	9	19.9	7.4	11.9	0.35 J	*3.8 U*	*1.5 U*	1.2 J	*1.5 U*	*1.5 U*	6	14.9	6.1	*1.5 U*	13.2	11.6
	April 2024	*1.5 U*	9.6	7.9	7.6	9.9	*1.5 U*	*2.5 U*	*1.5 U*	1.2 J	*1.5 U*	*1.5 U*	8.1 J	10.1 J	*1.5 U*	*1.5 U*	11.4	11.2
	August 2024	*6 U*	4.7 J	12.6	5 J	12.7	2.4 J	*6 U*	0.29 J	1.1 J	*1.5 U*	*1.5 U*	8.5	11.7	1.3 J	*6 U*	12.7	12.8
	December 2024	*1.5 U*	12.4	8.5	4.3	14.8	2.1	*1.5 U*	*1.5 U*	1.5 J	*1.5 U*	*1.5 U*	7	11.3	*1.5 U*	*1.5 U*	15.2	12.6
	June 2025	-	10.7	11.1	4	12.3	*1.5 U*	*18.8 U*	*1.5 U*	0.47 J	-	*1.5 U*	8.3 J	12.3 J	*1.5 U*	*1.5 U*	11.6	8.4
	May 2026	-	*31 U*	*31 U*	2.4 *1	*31 U*	0.14 J	*1.6 U*	0.083 J	*3.1 U*	-	0.15 J	5.2 J*1	*9.4 U*1*	0.09 J	0.091 J	*9.4 U*1*	*13 U*1*
Acenaphthylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	31.8	116	136	150	*1.6 U*	2.2 J	1.1 J	2.6	*1.5 U*	*1.5 U*	32	303	5.5	*1.5 U*	425	374
	April 2024	*1.5 U*	16.2	3.3 J	91.5	135	*1.5 U*	1.9 J	0.75 J	1.9	*1.5 U*	*1.5 U*	38.9	124	0.62 J	0.25 J	597	427
	August 2024	*6 U*	6.2	2.9 J	34.9	123	*6 U*	2 J	1.2 J	1.5 J	*1.5 U*	*1.5 U*	45.9	262	1.5 J	*6 U*	400	423
	December 2024	*1.5 U*	14	2.2 J	50.1	200	*1.5 U*	1.1 J	*1.5 U*	3	*1.5 U*	*1.5 U*	14.3	85.6	1.5	0.77 J	417	409
	June 2025	-	12.7	1.7	46.3	114	*1.5 U*	*18.8 U*	*1.5 U*	0.93 J	-	*1.5 U*	27.9	154	1.1 J	0.3 J	375	359
	May 2026	-	*31 U*	*31 U*	28	59 J	*0.065 U*	*1.6 U*	*0.063 U*	*3.1 U*	-	0.097 J	8.4 J	68	*0.065 U*	*0.063 U*	130	170
Anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	15.2	82.2	21.5	19.2	*1.6 U*	*3.8 U*	0.59 J	0.58 J	*1.5 U*	*1.5 U*	3.6	70.7	13.5	*1.5 U*	20.6	21.7
	April 2024	*1.5 U*	18.1	15.5	22.1	18.7	*1.5 U*	*2.5 U*	*1.5 U*	0.54 J	*1.5 U*	*1.5 U*	6.2 J	24	*1.5 U*	*1.5 U*	17.1	18
	August 2024	*6 U*	7.9	23.4	17	20.8	*6 U*	*6 U*	1 J	*6 U*	*1.5 U*	*1.5 U*	6.8	25.3	1.6 J	*6 U*	19.1	22.8
	December 2024	*1.5 U*	19.4	16.6	12.1	23.6	*1.5 U*	*1.5 U*	*1.5 U*	0.32 J	*1.5 U*	*1.5 U*	3.8	22.6	0.67 J	0.55 J	23	18.2
	June 2025	-	15.5	8.9	7.8	18.2	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	20	0.65 J	0.61 J	11.7	8.9
	May 2026	-	*24 U*	*24 U*	4.4	*24 U*	*0.049 U*	*1.2 U*	*0.047 U*	*2.4 U*	-	*0.047 U*	*2.4 U*	9.9 J	*0.049 U*	*0.047 U*	*7.1 U*	11 J
Benzo(a)anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.76 J	59.9	4	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	40.4	0.66 J	*1.5 U*	0.78 J	4.6
	April 2024	*1.5 U*	*6 U*	*6 U*	1.5 J	1.9	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	0.69 J	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	4.7 J	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	4.2 J
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	1.5 J	0.83 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	2.2	1.2 J
	June 2025	-	1.2 J	*1.5 U*	0.67 J	1.2 J	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	1 J	0.84 J
	May 2026	-	*36 U*	*36 U*	*0.75 U*1*	*36 U*	*0.075 U*	*1.8 U*	*0.072 U*	*3.6 U*	-	*0.072 U*	*3.6 U*1*	*11 U*1*	*0.075 U*	*0.072 U*	*11 U*1*	*14 U*1*
Benzo(a)pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.61 J	52.8	3.1	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	34.4	*1.6 U*	*1.5 U*	*3.8 U*	3
	April 2024	*1.5 U*	*6 U*	*6 U*	0.82 J	1.4 J	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	2.4 J	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	2 J
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	0.87 J	0.26 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	0.94 J	0.4 J
	June 2025	-	0.8 J	*1.5 U*	*1.9 U*	0.57 J	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	0.43 J	0.38 J
	May 2026	-	*62 U*	*62 U*	*1.3 U*	*62 U*	*0.13 U*	*3.1 U*	*0.12 U*	*6.2 U*	-	*0.12 U*	*6.2 U*	*18 U*	*0.13 U*	*0.12 U*	*18 U*	*25 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D
Semi-Volatile Organic Compounds (µg/L)																		
Benzo(b)fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	*1.5 U*	41.5	2.5	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	27.7	*1.6 U*	*1.5 U*	*3.8 U*	2.7
	April 2024	*1.5 U*	*6 U*	*6 U*	0.82 J	1.1 J	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	0.27 J	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	2.9 J	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	1.7 J
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	0.9 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	0.91 J	0.45 J
	June 2025	-	0.78 J	*1.5 U*	*1.9 U*	0.71 J	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	0.73 J	0.34 J
	May 2026	-	*47 U*	*47 U*	*0.97 U*	*47 U*	*0.097 U*	*2.3 U*	*0.093 U*	*4.7 U*	-	*0.093 U*	*4.7 U*	*14 U*	*0.097 U*	*0.093 U*	*14 U*	*19 U*
Benzo(g,h,i)perylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.34 J	26.7	1.9	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	17	*1.6 U*	*1.5 U*	*3.8 U*	1.5 J
	April 2024	*1.5 U*	*6 U*	*6 U*	*2.5 U*	0.75 J	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	*6.9 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	*1.7 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	0.41 J	*1.5 U*
	June 2025	-	0.44 J	*1.5 U*	*1.9 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	May 2026	-	*33 U*	*33 U*	*0.69 U*	*33 U*	*0.069 U*	*1.7 U*	*0.066 U*	*3.3 U*	-	*0.066 U*	*3.3 U*	*10 U*	*0.069 U*	*0.066 U*	*10 U*	*13 U*
Benzo(k)fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.6 J	41.8	2.8	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	27.1	*1.6 U*	*1.5 U*	*3.8 U*	2.8
	April 2024	*1.5 U*	*6 U*	*6 U*	*2.5 U*	1.1 J	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	0.27 J	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	2.6 J	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	1.7 J
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	0.78 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	0.94 J	0.37 J
	June 2025	-	0.41 J	*1.5 U*	*1.9 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	May 2026	-	*42 U*	*42 U*	*0.88 U*	*42 U*	*0.088 U*	*2.1 U*	*0.085 U*	*4.2 U*	-	*0.085 U*	*4.2 U*	*13 U*	*0.088 U*	*0.085 U*	*13 U*	*17 U*
Biphenyl	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*7.5 U*	29.8	54.1	9.2	34.8	*3.2 U*	0.74 J	*3.1 U*	4.7	*3 U*	*3 U*	12.6	59.7	5.6	*3.1 U*	54.4	49.4
	April 2024	*3 U*	32.9	29.8	7.6	29	*3 U*	0.6 J	*3 U*	5.3	*3 U*	*3 U*	19.5 J	44	*3 U*	*3 U*	51.1	54.2
	August 2024	*12 U*	17	46	2.3 J	26.3	*12 U*	*12 U*	0.3 J	5.1 J	*3 U*	*3 U*	21.1	49.9	*12 U*	*12 U*	54.9	57.9
	December 2024	*3 U*	42.9	29.9	6.1	40.1	*3 U*	0.46 J	*3 U*	8.2	*3 U*	*3 U*	17.4	53.1	*3 U*	*3 U*	64.8	61.4
	June 2025	-	39.9	42.3	2.8 J	34.1	*3 U*	*37.5 U*	*3 U*	1.9 J	-	*3 U*	20.5 J	52.5	*3.1 U*	*3.1 U*	55.1	44.6
	May 2026	-	*68 U*	*68 U*	2.8 J	*68 U*	*0.14 U*	*3.4 U*	*0.14 U*	*6.8 U*	-	*0.14 U*	11 J	28 J	*0.14 U*	*0.14 U*	23 J	35 J
Chrysene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.86 J	54.7	3.8	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	34.7	0.5 J	*1.5 U*	*3.8 U*	4.4
	April 2024	*1.5 U*	*6 U*	*6 U*	1.7 J	1.8	*1.5 U*	*2.5 U*	*1.5 U*	0.42 J	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	0.77 J	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	4.7 J	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	3.9 J
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	1.4 J	0.71 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	1.8	0.86 J
	June 2025	-	1.2 J	*1.5 U*	0.53 J	1.2 J	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	0.69 J	0.7 J
	May 2026	-	*39 U*	*39 U*	*0.81 U*	*39 U*	*0.081 U*	*1.9 U*	*0.078 U*	*3.9 U*	-	*0.078 U*	*3.9 U*	*12 U*	*0.081 U*	*0.078 U*	*12 U*	*16 U*
Dibenzo(a,h)anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	*1.5 U*	7.4	0.52 J	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	4.7	*1.6 U*	*1.5 U*	*3.8 U*	0.61 J
	April 2024	*1.5 U*	*6 U*	*6 U*	*2.5 U*	*1.5 U*	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	*6.9 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	*1.7 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	June 2025	-	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	May 2026	-	*35 U*	*35 U*	*0.72 U*	*35 U*	*0.072 U*	*1.7 U*	*0.069 U*	*3.5 U*	-	*0.069 U*	*3.5 U*	*10 U*	*0.072 U*	*0.069 U*	*10 U*	*14 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34D	MW-35S	MW-35D	MW-36S	MW-36D
Semi-Volatile Organic Compounds (µg/L)																		
Fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	6.9	173	17.1	8.4	*1.6 U*	*3.8 U*	0.73 J	*1.5 U*	*1.5 U*	0.31 J	1.3 J	130	14.5	0.41 J	11.3	17.4
	April 2024	*1.5 U*	10	7.5	16.9	11.2	*1.5 U*	*2.5 U*	0.82 J	0.34 J	*1.5 U*	*1.5 U*	3.9 J	11.6 J	*1.5 U*	2.5	10.8	12.1
	August 2024	*6 U*	4.8 J	10.4	22.3	8.8	*6 U*	*6 U*	1.3 J	*6 U*	*1.5 U*	*1.5 U*	3 J	10.4	1.9 J	*6 U*	10.9	22.8
	December 2024	*1.5 U*	11.8	8.4	12.1	10.8	*1.5 U*	*1.5 U*	*1.5 U*	0.45 J	*1.5 U*	*1.5 U*	2.7 J	13.5	0.25 J	*1.5 U*	17.2	12.7
	June 2025	-	10.4	6.6	7.6	10.9	*1.5 U*	*18.8 U*	0.46 J	*1.9 U*	-	*1.5 U*	*18.8 U*	11.7 J	*1.5 U*	*1.5 U*	13.5	9.9
	May 2026	-	*29 U*	*29 U*	4.3 *1	49 J	*0.06 U*	*1.4 U*	*0.058 U*	*2.9 U*	-	0.15 J	*2.9 U*1*	*8.7 U*1*	*0.06 U*	*0.058 U*	*8.7 U*1*	16 J*1
Fluorene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	66.9	194	72.1	83.5	*1.6 U*	*3.8 U*	1.4 J	3.8	*1.5 U*	*1.5 U*	22.2	173	57.3	0.6 J	118	109
	April 2024	*1.5 U*	77.9	69.1	68.8	76.6	*1.5 U*	8.4	*1.5 U*	5.1	*1.5 U*	*1.5 U*	37.4	98	*1.5 U*	*1.5 U*	110	117
	August 2024	*6 U*	37.2	110	43.8	84.2	*6 U*	10	2.7	4.5 J	*1.5 U*	*1.5 U*	37	101	8.2	*6 U*	113	119
	December 2024	*1.5 U*	97.9	79.4	35.8	103	*1.5 U*	*1.5 U*	*1.5 U*	6.6	*1.5 U*	*1.5 U*	30.8	123	*1.5 U*	*1.5 U*	136	143
	June 2025	-	78.1	90.5	27.4	77.8	*1.5 U*	*18.8 U*	*1.5 U*	1.4 J	-	*1.5 U*	30.8	108	*1.5 U*	*1.5 U*	109	107
	May 2026	-	*33 U*	49 J	18	50 J	*0.069 U*	*1.7 U*	*0.066 U*	*3.3 U*	-	*0.066 U*	15	58	*0.069 U*	*0.066 U*	45	67
Indeno(1,2,3-cd)pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	0.37 J	28.9	1.9	*3.8 U*	*1.6 U*	*3.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	20	*1.6 U*	*1.5 U*	*3.8 U*	1.7
	April 2024	*1.5 U*	*6 U*	*6 U*	*2.5 U*	0.77 J	*1.5 U*	*2.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	*15 U*	*1.5 U*	*1.5 U*	*1.5 U*	*6 U*
	August 2024	*6 U*	*6 U*	*6 U*	*6.9 U*	*6 U*	*6 U*	*6 U*	*1.5 U*	*6 U*	*1.5 U*	*1.5 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*	*6 U*
	December 2024	*1.5 U*	*3.8 U*	*3.8 U*	0.48 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*3.8 U*	*3.8 U*	*1.5 U*	*1.5 U*	0.48 J	*1.5 U*
	June 2025	-	0.51 J	*1.5 U*	*1.9 U*	*1.9 U*	*1.5 U*	*18.8 U*	*1.5 U*	*1.9 U*	-	*1.5 U*	*18.8 U*	*18.8 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*
	May 2026	-	*41 U*	*41 U*	*0.85 U*	*41 U*	*0.085 U*	*2 U*	*0.082 U*	*4.1 U*	-	*0.082 U*	*4.1 U*	*12 U*	*0.085 U*	*0.082 U*	*12 U*	*16 U*
Naphthalene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	1.2 J	11,800	12,400	2,690	12,900	*1.6 U*	788	3.6	2,870	0.4 J	1.1 J	3,100	14,300	2.6	9.5	13,600	12,800
	April 2024	*1.5 U*	12,400	9,270	374	9,190	0.88 J	776	*1.5 U*	2,960	*1.5 U*	0.32 J	5,730	8,770	*1.5 U*	1.2 J	42,400	10,700
	August 2024	*6 U*	5,020	10,600	40	10,700	2.7 J	1,020	*1.5 U*	2,820	0.72 J	1.4 J	5,580	10,200	*6 U*	*6 U*	11,300	11,200
	December 2024	*1.5 U*	12,900	7,310	1,600	12,500	1.5	742	*1.5 U*	3,800	0.7 J	*1.5 U*	3,550	9,800	1.1 J	2.8	8,780	11,200
	June 2025	-	14,700	11,700	384	10,600	*1.5 U*	828	*1.5 U*	1,400	-	*1.5 U*	3,560	8,700	0.69 J	*1.5 U*	10,900	11,400
	May 2026	-	5,200	5,500	200 *1	4,800	0.12 J	430	0.83	420	-	0.12 J	1,000 *1	3,700 *1	0.37	0.34	4,300 *1	5,700 *1
Phenanthrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	58.1	360	67.8	73.1	*1.6 U*	*3.8 U*	1.5 J	2.4	*1.5 U*	*1.5 U*	19.1	284	61.9	1.3 J	97.1	91.8
	April 2024	*1.5 U*	76.6	63.5	43.8	72.2	0.32 J	*2.5 U*	*1.5 U*	3	*1.5 U*	*1.5 U*	39.8	95.1	*1.5 U*	*1.5 U*	87.7	91.9
	August 2024	*6 U*	37.6	99.4	33	76.9	*6 U*	*6 U*	2.7	2.4 J	*1.5 U*	*1.5 U*	38.9	98.8	1.9 J	*6 U*	96.2	115
	December 2024	*1.5 U*	97.2	70.5	31.2	87.3	*1.5 U*	*1.5 U*	*1.5 U*	3.9	*1.5 U*	*1.5 U*	29.6	114	*1.5 U*	*1.5 U*	116	99.7
	June 2025	-	76.7	78.4	17.8	73.1	*1.5 U*	*18.8 U*	*1.5 U*	0.99 J	-	*1.5 U*	26.7	108	*1.5 U*	*1.5 U*	93.7	75.7
	May 2026	-	*75 U*	*75 U*	14	99	*0.16 U*	*3.8 U*	*0.15 U*	*7.5 U*	-	0.2	14	62	*0.16 U*	*0.15 U*	41	73
Pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.8 U*	4.6	138	12.4	5.6	*1.6 U*	*3.8 U*	0.48 J	*1.5 U*	*1.5 U*	*1.5 U*	0.74 J	100	9.4	0.31 J	6.9	12
	April 2024	*1.5 U*	5.4 J	4.1 J	11.2	7.2	*1.5 U*	*2.5 U*	0.55 J	*1.5 U*	*1.5 U*	*1.5 U*	*15 U*	6.8 J	*1.5 U*	1.1 J	6.2	6.4
	August 2024	*6 U*	2.6 J	6.6	15.2	5.4 J	*6 U*	*6 U*	0.73 J	*6 U*	*1.5 U*	*1.5 U*	1.4 J	5.9 J	1.1 J	*6 U*	5.9 J	14.5
	December 2024	*1.5 U*	6.5	4.7	7.8	6.7	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	1.5 J	7.9	*1.5 U*	*1.5 U*	9.3	7.3
	June 2025	-	5.7	3.3	4.4	7	*1.5 U*	*18.8 U*	0.3 J	*1.9 U*	-	*1.5 U*	*18.8 U*	6.7 J	*1.5 U*	*1.5 U*	6.1	4.4
	May 2026	-	*53 U*	*53 U*	2.4 *1	*53 U*	*0.11 U*	*2.7 U*	*0.11 U*	*5.3 U*	-	*0.11 U*	*5.3 U*1*	*16 U*1*	*0.11 U*	*0.11 U*	*16 U*1*	*21 U*1*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-37	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48
Volatile Organic Compounds (µg/L)													
Benzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	19.1	-	-	-	-	-	-	-	-	-	-
	April 2024	38.5	0.32 J	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	27.3	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	9.5	1,510	27,100	*50 U*	*1 U*	*1 U*	27,600	-	-	-
	June 2025	*1 U*	*1 U*	59.2	3,620	25,400	*50 U*	*1 U*	*1 U*	63,900	3.8	*1 U*	17.1
	May 2026	0.61	*0.1 U*	55	3,800	15,000	1.5	1.4	*0.1 UB*	140,000	24	*0.1 U*	4.5
Bromomethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.1 U*	*0.1 U*	*2 U*	*2 UH*	*50 U*	*0.1 U*	*0.1 U*	*0.1 U*	*200 U*	*0.1 U*	*0.1 U*	*0.1 U*
Chlorobenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.07 U*	*0.07 U*	*1.4 U*	*1.4 UH*	*35 U*	*0.07 U*	*0.07 U*	*0.07 U*	*140 U*	*0.07 U*	*0.07 U*	*0.07 U*
Chloroethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.1 U*	*0.1 U*	*2 U*	*2 UH*	*50 U*	*0.1 U*	*0.1 U*	*0.1 U*	*200 U*	*0.1 U*	*0.1 U*	*0.1 U*
Chloromethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	17.2 J	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.22 U*	*0.22 U*	*2 U*	*2 UH*	*50 U*	*0.1 U*	*0.1 U*	*0.1 U*	*440 U*	*0.1 U*	*0.22 U*	*0.22 U*
Dichlorodifluoromethane	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.22 U*	*0.22 U*	*2 U*	*2 UH*	*50 U*	*0.1 U*	*0.1 U*	*0.1 U*	*440 U*	*0.1 U*	*0.22 U*	*0.22 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-37	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48
Volatile Organic Compounds (µg/L)													
Ethylbenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	0.55 J	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	230	*50 U*	*1 U*	*1 U*	27.3 J	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	161	*50 U*	*1 U*	*1 U*	62.2	*1 U*	*1 U*	0.44 J
	May 2026	*0.08 U*	*0.08 U*	*1.6 U*	12 H	93 J	*0.08 U*	*0.08 U*	*0.08 U*	*160 U*	0.093 J	*0.08 U*	0.34 J
Isopropylbenzene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	*50 U*	12.8 J	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	*1 U*	*50 U*	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	*1 U*
	May 2026	*0.08 U*	*0.08 U*	*1.6 U*	*1.6 UH*	*40 U*	*0.08 U*	*0.08 U*	0.081 J	*160 U*	*0.08 U*	*0.08 U*	*0.08 U*
m&p-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*2 U*	*2 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	3	*2 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*2 U*	*2 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*2 U*	*2 U*	*2 U*	41.8 J	118	*100 U*	*2 U*	*2 U*	413	-	-	-
	June 2025	*2 U*	*2 U*	0.89 J	38.6 J	536	*100 U*	*2 U*	*2 U*	469	1.5 J	*2 U*	4.6
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	0.41 J	-	-	-	-	-	-	-	-	-	-
	April 2024	1.1	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	0.54 J	19.1 J	97.1	*50 U*	*1 U*	*1 U*	180	-	-	-
	June 2025	*1 U*	*1 U*	2.7	22.4 J	282	*50 U*	*1 U*	*1 U*	224	0.34 J	*1 U*	2.1
	May 2026	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	*1 U*	13.4 J	*50 U*	*50 U*	*1 U*	*1 U*	*50 U*	-	-	-
	June 2025	*1 U*	*1 U*	0.32 J	22.8 J	25.8 J	*50 U*	*1 U*	*1 U*	*50 U*	*1 U*	*1 U*	1.3
	May 2026	*0.07 U*	*0.07 U*	*1.4 U*	34 H	*35 U*	*0.07 U*	*0.07 U*	*0.07 U*	*140 U*	*0.07 U*	*0.07 U*	0.39 J
Toluene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	1.8	*1 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*1 U*	*1 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1 U*	*1 U*	0.26 J	95.6	152	*50 U*	*1 U*	*1 U*	2510	-	-	-
	June 2025	*1 U*	*1 U*	0.73 J	89.2	646	*50 U*	*1 U*	*1 U*	2440	2.7	*1 U*	7.6
	May 2026	*0.08 U*	*0.08 U*	*1.6 U*	220 H	1,100	0.17 J	0.17 J	*0.08 UB*	8200	0.14 J	*0.08 U*	0.96

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-37	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48
Volatile Organic Compounds (µg/L)													
Total Xylenes	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3 U*	*3 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	4.1	*3 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*3 U*	*3 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*3 U*	*3 U*	*3 U*	60.9 J	215	*150 U*	*3 U*	*3 U*	593	-	-	-
	June 2025	*3 U*	*3 U*	3.6	61.1 J	817	*150 U*	*3 U*	*3 U*	692	1.8 J	*3 U*	6.7
	May 2026	*0.07 U*	*0.07 U*	2.3 J	180 H	1,300	*0.07 U*	*0.07 U*	0.078 J	1,300 J	0.079 J	*0.07 U*	2.4
Semi-Volatile Organic Compounds (µg/L)													
Acenaphthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	723	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	1.3 J	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	0.64 J	*1.5 U*	3.1	41.4	159	*1.5 U*	*1.5 U*	5.1	0.59 J	-	-	-
	June 2025	*1.5 U*	*1.5 U*	18.8	47.6	113	1.9 J	*1.5 U*	5.5	*15 U*	*1.6 U*	1.8	5.6
	May 2026	0.063 J	0.17 J	11	21	65	0.13 J	0.13 J	2.9	*1.6 U*	*0.063 U*	0.097 J	1.2
Acenaphthylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	11.1	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	0.94 J	83.3	6.6	0.32 J	*1.5 U*	0.33 J	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	11.6	56.6	12	*1.9 U*	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	0.51 J	31.2
	May 2026	*0.063 U*	*0.063 U*	5	42	*9.4 U*	0.066 J	0.075 J	0.15 J	*1.6 U*	0.075 J	*0.065 U*	1.7
Anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	41.5	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	0.62 J	12.2	6.3	*1.5 U*	*1.5 U*	0.52 J	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	6.9	12.4	11.9	4.1	*1.5 U*	1.8 J	*15 U*	1.4 J	5.5	8.8
	May 2026	*0.047 U*	0.085 J	2.7	3.6	*7.1 U*	*0.047 U*	*0.049 U*	0.26	*1.2 U*	0.11 J	*0.049 U*	0.26
Benzo(a)anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	3.5 J	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	0.72 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	0.96 J	1.3 J	1.9 J	3.9	*1.5 U*	1.2 J	*15 U*	0.49 J	3.5	3.7
	May 2026	*0.072 U*	*0.072 U*	*0.36 U*	*1.1 U*	*11 U*	*0.072 U*	*0.075 U*	*0.072 U*	*1.8 U*	0.14 J	*0.075 U*	0.098 J
Benzo(a)pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	0.39 J	0.93 J	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	0.91 J	3.2
	May 2026	*0.12 U*	*0.12 U*	*0.62 U*	*1.8 U*	*18 U*	*0.12 U*	*0.13 U*	*0.12 U*	*3.1 U*	*0.12 U*	*0.13 U*	*0.12 U*

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-37	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48
Semi-Volatile Organic Compounds (µg/L)													
Benzo(b)fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	0.71 J	1.7 J	4.2	*1.5 U*	1.2 J	*15 U*	*1.6 U*	2.9	3.1
	May 2026	*0.093 U*	*0.093 U*	*0.47 U*	*1.4 U*	*14 U*	*0.093 U*	*0.097 U*	*0.093 U*	*2.3 U*	0.1 J	*0.097 U*	*0.093 U*
Benzo(g,h,i)perylene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	*1.9 U*	0.79 J	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	*1.5 U*	1.9
	May 2026	*0.066 U*	*0.066 U*	*0.33 U*	*1 U*	*10 U*	*0.066 U*	*0.069 U*	*0.066 U*	*1.7 U*	*0.066 U*	*0.069 U*	*0.066 U*
Benzo(k)fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	*1.9 U*	0.72 J	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	*1.5 U*	1.5 J
	May 2026	*0.085 U*	*0.085 U*	*0.42 U*	*1.3 U*	*13 U*	*0.085 U*	*0.088 U*	*0.085 U*	*2.1 U*	*0.085 U*	*0.088 U*	*0.085 U*
Biphenyl	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*3.1 U*	*3.1 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	6.4 J	*3 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*12 U*	*3 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*3 U*	*3 U*	*3 U*	11.6	20.6	*3 U*	*3 U*	*3 U*	*3 U*	-	-	-
	June 2025	*3 U*	*3 U*	2.3 J	6.7	17.6	1.9 J	*3 U*	0.57 J	*30 U*	1.2 J	1.6 J	6.5
	May 2026	*0.14 U*	*0.14 U*	1.1 J	6.6 J	*20 U*	*0.14 U*	*0.14 U*	*0.14 U*	*3.4 U*	*0.14 U*	*0.14 U*	0.58 J
Chrysene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	3.3 J	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	0.37 J	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	1.1 J	0.91 J	3	5	*1.5 U*	1.6 J	*15 U*	0.4 J	6	3.5
	May 2026	*0.078 U*	*0.078 U*	*0.39 U*	*1.2 U*	*12 U*	*0.078 U*	*0.081 U*	*0.078 U*	*1.9 U*	0.17 J	*0.081 U*	0.1 J
Dibenzo(a,h)anthracene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	*1.9 U*	*1.9 U*	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	*1.5 U*	0.45 J
	May 2026	*0.069 U*	*0.069 U*	*0.35 U*	*1 U*	*10 U*	*0.069 U*	*0.072 U*	*0.069 U*	*1.7 U*	*0.069 U*	*0.072 U*	*0.069 U*

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CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Parameter	Sample Event	MW-37	MW-38D	MW-39	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45	MW-46	MW-47	MW-48
Semi-Volatile Organic Compounds (µg/L)													
Fluoranthene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	0.56 J	-	-	-	-	-	-	-	-	-	-
	April 2024	55.6	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	0.49 J	-	-	-	-	-	-	-	-	-	-
	December 2024	0.55 J	*1.5 U*	0.54 J	15.6	7.4	*1.5 U*	*1.5 U*	0.87 J	*1.5 U*	-	-	-
	June 2025	*1.5 U*	0.34 J	11.2	15.9	15.8	14.3	*1.5 U*	5.1	*15 U*	3.6	14.2	16.1
	May 2026	*0.058 U*	0.071 J	5.1	4.4	*8.7 U*	*0.058 U*	*0.06 U*	0.46	*1.4 U*	0.43	*0.06 U*	2
Fluorene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	510	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	2.4 J	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	0.52 J	*1.5 U*	3.4	71.1	59.5	*1.5 U*	*1.5 U*	2.2	0.71 J	-	-	-
	June 2025	*1.5 U*	*1.5 U*	27.5	74.1	69.7	7	*1.5 U*	5.2	*15 U*	4.3	6.9	21.5
	May 2026	*0.066 U*	*0.066 U*	14	30	49	0.081 J	0.084 J	1.3	*1.7 U*	0.13 J	*0.069 U*	0.62
Indeno(1,2,3-cd)pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	*7.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	*1.5 U*	-	-	-
	June 2025	*1.5 U*	*1.5 U*	*1.9 U*	*1.9 U*	*1.9 U*	0.63 J	*1.5 U*	*1.9 U*	*15 U*	*1.6 U*	*1.5 U*	2.2
	May 2026	*0.082 U*	*0.082 U*	*0.41 U*	*1.2 U*	*12 U*	*0.082 U*	*0.085 U*	*0.082 U*	*2 U*	*0.082 U*	*0.085 U*	*0.082 U*
Naphthalene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	1.4 J	-	-	-	-	-	-	-	-	-	-
	April 2024	562	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	6.6	0.71 J	-	-	-	-	-	-	-	-	-	-
	December 2024	1.1 J	*1.5 U*	7.6	2,120	11,300 E	7.7	0.75 J	2.5	10.4	-	-	-
	June 2025	*1.5 U*	1 J	116	1,290	8,820	2.4	*1.5 U*	18.8	*15 U*	*1.6 U*	1.8	316
	May 2026	1.1	0.17 J	70	1,100 E	4,700	3.3	4.7	2.5	4.1 J	2.4	0.54	0.75
Phenanthrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	April 2024	448	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	December 2024	0.39 J	*1.5 U*	4.2	95.9	64.2	*1.5 U*	*1.5 U*	3.1	0.82 J	-	-	-
	June 2025	*1.5 U*	*1.5 U*	46.3	99.2	83.5	45	*1.5 U*	20.4	*15 U*	5.3	48.8	46.7
	May 2026	*0.15 U*	*0.15 U*	18	31	39	*0.15 U*	*0.16 U*	1.7	*3.8 U*	0.45	*0.16 U*	0.32
Pyrene	December 2022	-	-	-	-	-	-	-	-	-	-	-	-
	March 2023	-	-	-	-	-	-	-	-	-	-	-	-
	January 2024	*1.5 U*	0.31 J	-	-	-	-	-	-	-	-	-	-
	April 2024	32.4	*1.5 U*	-	-	-	-	-	-	-	-	-	-
	August 2024	*6 U*	0.28 J	-	-	-	-	-	-	-	-	-	-
	December 2024	0.46 J	*1.5 U*	0.3 J	9.3	4.1	*1.5 U*	*1.5 U*	0.54 J	*1.5 U*	2.3	16.2	12.4
	June 2025	*1.5 U*	*1.5 U*	8.1	10.7	12.4	16.2	*1.5 U*	5.4	*15 U*	0.32	*0.11 U*	1.3
	May 2026	*0.11 U*	*0.11 U*	3.1	2.6 J	*16 U*	*0.11 U*	*0.11 U*	0.27	*2.7 U*			

TABLE 6

SUMMARY OF HISTORICAL SELECT VOCs AND SVOCs IN GROUNDWATER
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Notes/Qualifiers:

- Analysis not available/not performed; well not installed
^c - CCV recovery is outside acceptance limits
µg/L - microgram per liter
CCV - Continuing Calibration Verification
E - result exceeded calibration range
H - sample was prepped or analyzed beyond specified holding times
J - result is less than the RL but greater than or equal to the MDL; estimated
MDL - Method Detection Limit
RL - Reporting Limit
SVOC - Semi-Volatile Organic Compound
U - Not Detected
VOC - Volatile Organic Compound
*1 - LCS/LCSD RPD exceeds control limits
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
RPD - Relative Percent Difference

Italics - Chemical is not detected
Shaded - Decreasing Trend
Shaded - Increasing Trend

Michael Baker
INTERNATIONAL

ATTACHMENT A

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 5/27/2026 1:58:19 AM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205319-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

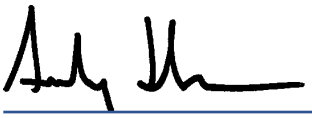
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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Job ID: 180-205319-1 Eurofins Pittsburgh

Job Narrative
180-205319-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/13/2026 9:30 AM. 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 4.9°C.

Receipt Exceptions
The following samples weresubmitted for analysis; however, they were not listed on the Chain-of-Custody (COC): MW-39 (180-205319-1) and MW-40 (180-205319-2)

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

The following sample was received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-39 (180-205319-1) and MW-40 (180-205319-2).

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): TRIP BLANK (180-205319-3).
The laboratory received 4 total containers, while the COC lists 2 total containers.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822379 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822385 recovered above the upper control limit for 1,1,1-Trichloroethane, 1,1-Dichloroethane, Chloroform and cis-1,2-Dichloroethene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822385 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822385 recovered above the upper control limit for Dibromofluoromethane (Surr). Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The surrogate recovery for the blank associated with analytical batch 410-822385 was outside the upper control limits.

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to over-dilution in the initial analysis. MW-39 (180-205319-1) and MW-40 (180-205319-2)

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-823638 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-823638 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-513849 was outside the method criteria for the following analyte(s): Caprolactam and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-40 (180-205319-2). Elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-513859 was outside the method criteria for the following analyte: 4,6-Dinitro-2-methylphenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following sample was diluted due to an abundance of target analytes: MW-40 (180-205319-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-513921 was outside the method criteria for the following analyte(s): Bis(2-ethylhexyl) phthalate, Caprolactam, Di-n-octyl phthalate and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-39 (180-205319-1). 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.

HPLC/IC
Method 9056A: The following samples were analyzed outside of analytical holding time due to a delay in their arrival to the laboratory: MW-39 (180-205319-1) and MW-40 (180-205319-2).

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

General Chemistry
Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 10.0 was applied to the raw result of -82.968 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-40 (180-205319-2)

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

Client: Michael Baker International, Inc.
Job ID: 180-205319-1
Project/Site: Erie Coke Works

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
FH	MS and/or MSD recovery above control limits.
FL	MS and/or MSD recovery below control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205319-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	05-20-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205319-1	MW-39	Water	05/11/26 13:55	05/13/26 09:30	Pennsylvania
180-205319-2	MW-40	Water	05/11/26 15:15	05/13/26 09:30	Pennsylvania
180-205319-3	TRIP BLANK	Water	05/11/26 00:00	05/13/26 09:30	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
9056A	Anions, Ion Chromatography	SW846	ELLE
2310B-2011	Acidity	SM	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-39

Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	20	25 mL	25 mL	822385	05/22/26 15:07	N7YK	ELLE
	Instrument ID: 19094									
Total/NA	Analysis	8260D		1	25 mL	25 mL	823638	05/26/26 15:28	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513777	05/13/26 21:39	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513849	05/15/26 20:11	VVP	EET PIT
	Instrument ID: CH751									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513777	05/13/26 21:39	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	5	1 mL	1 mL	513921	05/18/26 18:37	VVP	EET PIT
	Instrument ID: CH751									
Total/NA	Analysis	9056A		1			817657	05/14/26 11:32	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		10	1 mL	1 mL	820010	05/18/26 22:34	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513754	05/13/26 12:31	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:12	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513877	05/15/26 15:42	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513882	05/15/26 19:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 14:36	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-40

Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	200	25 mL	25 mL	822379	05/22/26 18:57	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		20	25 mL	25 mL	823638	05/26/26 15:50	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513777	05/13/26 21:39	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	200	1 mL	1 mL	513859	05/15/26 22:09	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3520C			260 mL	0.25 mL	513777	05/13/26 21:39	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		15	1 mL	1 mL	513849	05/15/26 20:32	VVP	EET PIT
	Instrument ID: CH751									
Total/NA	Analysis	9056A		1			817657	05/14/26 12:29	L4QM	ELLE
	Instrument ID: 3162									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-40

Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		10	1 mL	1 mL	820010	05/18/26 23:08	L4QM	ELLE
Total/NA	Analysis	2310B-2011		10	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513754	05/13/26 12:32	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:11	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513877	05/15/26 15:43	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	513882	05/15/26 19:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 14:40	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TRIP BLANK

Date Collected: 05/11/26 00:00
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822379	05/22/26 13:23	N7YK	ELLE
	Instrument ID: 10193									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman
LWM = Leslie McIntire
RAO = Rachel Oster
SNR = Sabra Richart
VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Analysis

L4QM = Jacquelyn Schoener
N7YK = Eric Ressler
UMLG = Michele Graham

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-39
Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
1,1,2,2-Tetrachloroethane	ND	H ^c	0.50	0.10	ug/L			05/26/26 15:28	1
1,1,2-Trichloroethane	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
1,1-Dichloroethane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
1,1-Dichloroethene	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
1,2,4-Trichlorobenzene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
1,2-Dibromo-3-Chloropropane	ND	H ^c	0.50	0.10	ug/L			05/26/26 15:28	1
1,2-Dibromoethane	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
1,2-Dichlorobenzene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
1,2-Dichloroethane	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
1,2-Dichloropropane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
1,3-Dichlorobenzene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
1,4-Dichlorobenzene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
2-Butanone	ND	H	5.0	1.0	ug/L			05/26/26 15:28	1
2-Hexanone	ND	H	5.0	2.0	ug/L			05/26/26 15:28	1
4-Methyl-2-pentanone	ND	H	5.0	1.0	ug/L			05/26/26 15:28	1
Acetone	ND	H	5.0	1.5	ug/L			05/26/26 15:28	1
Bromodichloromethane	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
Bromoform	ND	H	1.0	0.30	ug/L			05/26/26 15:28	1
Bromomethane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Carbon disulfide	ND	H	1.0	0.10	ug/L			05/26/26 15:28	1
Carbon tetrachloride	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Chlorobenzene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
Chloroethane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Chloroform	ND	H	0.50	0.090	ug/L			05/26/26 15:28	1
Chloromethane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
cis-1,2-Dichloroethene	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
cis-1,3-Dichloropropene	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Cyclohexane	**0.50**	**H**	0.50	0.10	ug/L			05/26/26 15:28	1
Dibromochloromethane	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
Dichlorodifluoromethane	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Ethylbenzene	**0.68**	**H**	0.50	0.080	ug/L			05/26/26 15:28	1
Freon 113	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
Isopropylbenzene	**0.16**	**J H**	0.50	0.080	ug/L			05/26/26 15:28	1
Methyl acetate	ND	H	1.0	0.20	ug/L			05/26/26 15:28	1
Methyl tertiary butyl ether	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
Methylcyclohexane	**0.24**	**J H**	0.50	0.10	ug/L			05/26/26 15:28	1
Methylene Chloride	**0.44**	**J H**	0.50	0.20	ug/L			05/26/26 15:28	1
Styrene	ND	H	0.50	0.070	ug/L			05/26/26 15:28	1
Tetrachloroethene	ND	H	0.50	0.20	ug/L			05/26/26 15:28	1
Toluene	**0.66**	**H**	0.50	0.080	ug/L			05/26/26 15:28	1
trans-1,2-Dichloroethene	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
trans-1,3-Dichloropropene	ND	H ^c	0.50	0.080	ug/L			05/26/26 15:28	1
Trichloroethene	ND	H	0.50	0.080	ug/L			05/26/26 15:28	1
Trichlorofluoromethane	ND	H ^c	0.50	0.10	ug/L			05/26/26 15:28	1
Vinyl chloride	ND	H	0.50	0.10	ug/L			05/26/26 15:28	1
Xylene (total)	**4.1**	**H**	1.0	0.070	ug/L			05/26/26 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/26/26 15:28*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-39

Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*05/26/26 15:28*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/26/26 15:28*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/26/26 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	^c	10	1.6	ug/L			05/22/26 15:07	20
1,1,2,2-Tetrachloroethane	ND		10	2.0	ug/L			05/22/26 15:07	20
1,1,2-Trichloroethane	ND		10	1.6	ug/L			05/22/26 15:07	20
1,1-Dichloroethane	ND	^c	10	2.0	ug/L			05/22/26 15:07	20
1,1-Dichloroethene	ND		10	2.0	ug/L			05/22/26 15:07	20
1,2,4-Trichlorobenzene	ND		10	1.4	ug/L			05/22/26 15:07	20
1,2-Dibromo-3-Chloropropane	ND		10	2.0	ug/L			05/22/26 15:07	20
1,2-Dibromoethane	ND		10	1.6	ug/L			05/22/26 15:07	20
1,2-Dichlorobenzene	ND		10	1.4	ug/L			05/22/26 15:07	20
1,2-Dichloroethane	ND		10	1.4	ug/L			05/22/26 15:07	20
1,2-Dichloropropane	ND		10	2.0	ug/L			05/22/26 15:07	20
1,3-Dichlorobenzene	ND		10	1.4	ug/L			05/22/26 15:07	20
1,4-Dichlorobenzene	ND		10	1.4	ug/L			05/22/26 15:07	20
2-Butanone	ND		100	20	ug/L			05/22/26 15:07	20
2-Hexanone	ND		100	40	ug/L			05/22/26 15:07	20
4-Methyl-2-pentanone	ND		100	20	ug/L			05/22/26 15:07	20
Acetone	ND		100	30	ug/L			05/22/26 15:07	20
Benzene	**55**		10	2.0	ug/L			05/22/26 15:07	20
Bromodichloromethane	ND	*+	10	1.6	ug/L			05/22/26 15:07	20
Bromoform	ND		20	6.0	ug/L			05/22/26 15:07	20
Bromomethane	ND		10	2.0	ug/L			05/22/26 15:07	20
Carbon disulfide	ND		20	2.0	ug/L			05/22/26 15:07	20
Carbon tetrachloride	ND		10	2.0	ug/L			05/22/26 15:07	20
Chlorobenzene	ND		10	1.4	ug/L			05/22/26 15:07	20
Chloroethane	ND		10	2.0	ug/L			05/22/26 15:07	20
Chloroform	ND	^c	10	1.8	ug/L			05/22/26 15:07	20
Chloromethane	ND		10	2.0	ug/L			05/22/26 15:07	20
cis-1,2-Dichloroethene	ND	^c	10	1.6	ug/L			05/22/26 15:07	20
cis-1,3-Dichloropropene	ND		10	2.0	ug/L			05/22/26 15:07	20
Cyclohexane	ND		10	2.0	ug/L			05/22/26 15:07	20
Dibromochloromethane	ND		10	1.6	ug/L			05/22/26 15:07	20
Dichlorodifluoromethane	ND		10	2.0	ug/L			05/22/26 15:07	20
Ethylbenzene	ND		10	1.6	ug/L			05/22/26 15:07	20
Freon 113	ND		10	1.6	ug/L			05/22/26 15:07	20
Isopropylbenzene	ND		10	1.6	ug/L			05/22/26 15:07	20
Methyl acetate	ND	FL	20	4.0	ug/L			05/22/26 15:07	20
Methyl tertiary butyl ether	ND		10	1.6	ug/L			05/22/26 15:07	20
Methylcyclohexane	ND		10	2.0	ug/L			05/22/26 15:07	20
Methylene Chloride	ND		10	4.0	ug/L			05/22/26 15:07	20
Styrene	ND		10	1.4	ug/L			05/22/26 15:07	20
Tetrachloroethene	ND		10	4.0	ug/L			05/22/26 15:07	20
Toluene	ND		10	1.6	ug/L			05/22/26 15:07	20
trans-1,2-Dichloroethene	ND		10	2.0	ug/L			05/22/26 15:07	20

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-39
Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		10	1.6	ug/L			05/22/26 15:07	20
Trichloroethene	ND	FH	10	1.6	ug/L			05/22/26 15:07	20
Trichlorofluoromethane	ND		10	2.0	ug/L			05/22/26 15:07	20
Vinyl chloride	ND	^c	10	2.0	ug/L			05/22/26 15:07	20
Xylene (total)	**2.3**	**J**	20	1.4	ug/L			05/22/26 15:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/22/26 15:07*	*20*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/22/26 15:07*	*20*
Dibromofluoromethane (Surr)	*102*	*^c*	*80 - 120*		*05/22/26 15:07*	*20*
Toluene-d8 (Surr)	*81*		*80 - 120*		*05/22/26 15:07*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**1.3**		0.96	0.14	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/13/26 21:39	05/15/26 20:11	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Methylnaphthalene	**0.27**		0.18	0.060	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/13/26 21:39	05/15/26 20:11	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/13/26 21:39	05/15/26 20:11	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/13/26 21:39	05/15/26 20:11	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/13/26 21:39	05/15/26 20:11	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/13/26 21:39	05/15/26 20:11	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/13/26 21:39	05/15/26 20:11	1
Acenaphthene	**12**		0.18	0.063	ug/L		05/13/26 21:39	05/15/26 20:11	1
Acenaphthylene	**5.4**		0.18	0.063	ug/L		05/13/26 21:39	05/15/26 20:11	1
Acetophenone	**1.0**		0.96	0.15	ug/L		05/13/26 21:39	05/15/26 20:11	1
Anthracene	**2.7**		0.18	0.047	ug/L		05/13/26 21:39	05/15/26 20:11	1
Atrazine	ND		0.96	0.28	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzo[a]anthracene	**0.21**		0.18	0.072	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/13/26 21:39	05/15/26 20:11	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/13/26 21:39	05/15/26 20:11	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/13/26 21:39	05/15/26 20:11	1

Client Sample ID: MW-39
Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/13/26 21:39	05/15/26 20:11	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/13/26 21:39	05/15/26 20:11	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/13/26 21:39	05/15/26 20:11	1
Caprolactam	**11**	**^c**	4.8	0.65	ug/L		05/13/26 21:39	05/15/26 20:11	1
Carbazole	**9.2**		0.18	0.049	ug/L		05/13/26 21:39	05/15/26 20:11	1
Chrysene	**0.16**	**J**	0.18	0.078	ug/L		05/13/26 21:39	05/15/26 20:11	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/13/26 21:39	05/15/26 20:11	1
Dibenzofuran	**6.2**		0.96	0.18	ug/L		05/13/26 21:39	05/15/26 20:11	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/13/26 21:39	05/15/26 20:11	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/13/26 21:39	05/15/26 20:11	1
Di-n-butyl phthalate	**0.54**	**J**	0.96	0.36	ug/L		05/13/26 21:39	05/15/26 20:11	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/13/26 21:39	05/15/26 20:11	1
Fluoranthene	**4.7**		0.18	0.058	ug/L		05/13/26 21:39	05/15/26 20:11	1
Fluorene	**15**		0.18	0.066	ug/L		05/13/26 21:39	05/15/26 20:11	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/13/26 21:39	05/15/26 20:11	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/13/26 21:39	05/15/26 20:11	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/13/26 21:39	05/15/26 20:11	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/13/26 21:39	05/15/26 20:11	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/13/26 21:39	05/15/26 20:11	1
Isophorone	ND		0.96	0.18	ug/L		05/13/26 21:39	05/15/26 20:11	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/13/26 21:39	05/15/26 20:11	1
Naphthalene	**65**	**E**	0.18	0.057	ug/L		05/13/26 21:39	05/15/26 20:11	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/13/26 21:39	05/15/26 20:11	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/13/26 21:39	05/15/26 20:11	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/13/26 21:39	05/15/26 20:11	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/13/26 21:39	05/15/26 20:11	1
Phenanthrene	**20**		0.18	0.15	ug/L		05/13/26 21:39	05/15/26 20:11	1
Phenol	ND		0.96	0.47	ug/L		05/13/26 21:39	05/15/26 20:11	1
Pyrene	**3.7**		0.18	0.11	ug/L		05/13/26 21:39	05/15/26 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*23 - 128*	*05/13/26 21:39*	*05/15/26 20:11*	*1*
2-Fluorobiphenyl	*69*		*20 - 105*	*05/13/26 21:39*	*05/15/26 20:11*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 105*	*05/13/26 21:39*	*05/15/26 20:11*	*1*
Nitrobenzene-d5 (Surr)	*68*		*20 - 107*	*05/13/26 21:39*	*05/15/26 20:11*	*1*
Phenol-d5 (Surr)	*62*		*20 - 106*	*05/13/26 21:39*	*05/15/26 20:11*	*1*
Terphenyl-d14 (Surr)	*51*		*22 - 120*	*05/13/26 21:39*	*05/15/26 20:11*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**1.1**	**J**	4.8	0.68	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,2'-oxybis[1-chloropropane]	ND		0.91	0.58	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4,5-Trichlorophenol	ND		4.8	1.2	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4,6-Trichlorophenol	ND		4.8	1.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4-Dichlorophenol	ND		0.91	0.25	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4-Dimethylphenol	ND		4.8	2.8	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4-Dinitrophenol	ND		48	16	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,4-Dinitrotoluene	ND		4.8	1.7	ug/L		05/13/26 21:39	05/18/26 18:37	5
2,6-Dinitrotoluene	ND		4.8	0.83	ug/L		05/13/26 21:39	05/18/26 18:37	5
2-Chloronaphthalene	ND		0.91	0.28	ug/L		05/13/26 21:39	05/18/26 18:37	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-39
Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		4.8	1.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
2-Methylnaphthalene	ND		0.91	0.30	ug/L		05/13/26 21:39	05/18/26 18:37	5
2-Methylphenol	ND		4.8	2.7	ug/L		05/13/26 21:39	05/18/26 18:37	5
2-Nitroaniline	ND	^c	24	2.6	ug/L		05/13/26 21:39	05/18/26 18:37	5
2-Nitrophenol	ND		4.8	0.93	ug/L		05/13/26 21:39	05/18/26 18:37	5
3,3'-Dichlorobenzidine	ND		4.8	2.8	ug/L		05/13/26 21:39	05/18/26 18:37	5
3-Nitroaniline	ND		24	2.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
4,6-Dinitro-2-methylphenol	ND		24	7.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Bromophenyl phenyl ether	ND		4.8	1.5	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Chloro-3-methylphenol	ND		4.8	2.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Chloroaniline	ND		4.8	1.8	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Chlorophenyl phenyl ether	ND		4.8	1.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Nitroaniline	ND		24	1.7	ug/L		05/13/26 21:39	05/18/26 18:37	5
4-Nitrophenol	ND		24	4.5	ug/L		05/13/26 21:39	05/18/26 18:37	5
Acenaphthene	**11**		0.91	0.31	ug/L		05/13/26 21:39	05/18/26 18:37	5
Acenaphthylene	**5.0**		0.91	0.31	ug/L		05/13/26 21:39	05/18/26 18:37	5
Acetophenone	**0.88**	**J**	4.8	0.76	ug/L		05/13/26 21:39	05/18/26 18:37	5
Anthracene	**2.7**		0.91	0.24	ug/L		05/13/26 21:39	05/18/26 18:37	5
Atrazine	ND		4.8	1.4	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzaldehyde	ND		4.8	2.6	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzo[a]anthracene	ND		0.91	0.36	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzo[a]pyrene	ND		0.91	0.62	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzo[b]fluoranthene	ND		0.91	0.47	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzo[g,h,i]perylene	ND		0.91	0.33	ug/L		05/13/26 21:39	05/18/26 18:37	5
Benzo[k]fluoranthene	ND		0.91	0.42	ug/L		05/13/26 21:39	05/18/26 18:37	5
Bis(2-chloroethoxy)methane	ND		4.8	0.73	ug/L		05/13/26 21:39	05/18/26 18:37	5
Bis(2-chloroethyl)ether	ND		0.91	0.67	ug/L		05/13/26 21:39	05/18/26 18:37	5
Bis(2-ethylhexyl) phthalate	ND	^c	48	10	ug/L		05/13/26 21:39	05/18/26 18:37	5
Butyl benzyl phthalate	ND		9.6	4.5	ug/L		05/13/26 21:39	05/18/26 18:37	5
Caprolactam	**11**	**J ^c**	24	3.3	ug/L		05/13/26 21:39	05/18/26 18:37	5
Carbazole	**9.3**		0.91	0.25	ug/L		05/13/26 21:39	05/18/26 18:37	5
Chrysene	ND		0.91	0.39	ug/L		05/13/26 21:39	05/18/26 18:37	5
Dibenz(a,h)anthracene	ND		0.91	0.35	ug/L		05/13/26 21:39	05/18/26 18:37	5
Dibenzofuran	**5.7**		4.8	0.91	ug/L		05/13/26 21:39	05/18/26 18:37	5
Diethyl phthalate	ND		4.8	1.2	ug/L		05/13/26 21:39	05/18/26 18:37	5
Dimethyl phthalate	ND		9.6	0.96	ug/L		05/13/26 21:39	05/18/26 18:37	5
Di-n-butyl phthalate	ND		4.8	1.8	ug/L		05/13/26 21:39	05/18/26 18:37	5
Di-n-octyl phthalate	ND	^c	4.8	3.3	ug/L		05/13/26 21:39	05/18/26 18:37	5
Fluoranthene	**5.1**		0.91	0.29	ug/L		05/13/26 21:39	05/18/26 18:37	5
Fluorene	**14**		0.91	0.33	ug/L		05/13/26 21:39	05/18/26 18:37	5
Hexachlorobenzene	ND		0.91	0.27	ug/L		05/13/26 21:39	05/18/26 18:37	5
Hexachlorobutadiene	ND		0.91	0.75	ug/L		05/13/26 21:39	05/18/26 18:37	5
Hexachlorocyclopentadiene	ND		4.8	2.4	ug/L		05/13/26 21:39	05/18/26 18:37	5
Hexachloroethane	ND		4.8	1.5	ug/L		05/13/26 21:39	05/18/26 18:37	5
Indeno[1,2,3-cd]pyrene	ND		0.91	0.41	ug/L		05/13/26 21:39	05/18/26 18:37	5
Isophorone	ND		4.8	0.90	ug/L		05/13/26 21:39	05/18/26 18:37	5
Methylphenol, 3 & 4	ND		4.8	1.8	ug/L		05/13/26 21:39	05/18/26 18:37	5
Naphthalene	**70**		0.91	0.28	ug/L		05/13/26 21:39	05/18/26 18:37	5
Nitrobenzene	ND		9.6	2.4	ug/L		05/13/26 21:39	05/18/26 18:37	5

Client Sample ID: MW-39
Date Collected: 05/11/26 13:55
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		0.91	0.34	ug/L		05/13/26 21:39	05/18/26 18:37	5
N-Nitrosodiphenylamine	ND		4.8	1.2	ug/L		05/13/26 21:39	05/18/26 18:37	5
Pentachlorophenol	ND		24	4.1	ug/L		05/13/26 21:39	05/18/26 18:37	5
Phenanthrene	**18**		0.91	0.75	ug/L		05/13/26 21:39	05/18/26 18:37	5
Phenol	ND		4.8	2.3	ug/L		05/13/26 21:39	05/18/26 18:37	5
Pyrene	**3.1**		0.91	0.53	ug/L		05/13/26 21:39	05/18/26 18:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*23 - 128*	*05/13/26 21:39*	*05/18/26 18:37*	*5*
2-Fluorobiphenyl	*61*		*20 - 105*	*05/13/26 21:39*	*05/18/26 18:37*	*5*
2-Fluorophenol (Surr)	*51*		*20 - 105*	*05/13/26 21:39*	*05/18/26 18:37*	*5*
Nitrobenzene-d5 (Surr)	*63*		*20 - 107*	*05/13/26 21:39*	*05/18/26 18:37*	*5*
Phenol-d5 (Surr)	*58*		*20 - 106*	*05/13/26 21:39*	*05/18/26 18:37*	*5*
Terphenyl-d14 (Surr)	*44*		*22 - 120*	*05/13/26 21:39*	*05/18/26 18:37*	*5*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.4**		15.0	6.00	mg/L			05/18/26 22:34	10
Nitrate as N	ND	H FH	0.110	0.0500	mg/L			05/14/26 11:32	1
Sulfate	**111**		15.0	5.00	mg/L			05/18/26 22:34	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 302.772**		15	12	mg/L			05/22/26 10:39	1
Turbidity (EPA 180.1)	**12**		0.85	0.05	NTU			05/13/26 12:31	1
Total Dissolved Solids (SM 2540C)	**570**		10	10	mg/L			05/15/26 19:15	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**330**		5.0	5.0	mg/L			05/19/26 14:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.8**	**HF**	0.1	0.1	SU			05/16/26 15:12	1
Specific Conductance (SM 2510B)	**980**		1.0	1.0	umhos/cm			05/15/26 15:42	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-40
Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	10	1.6	ug/L			05/26/26 15:50	20
1,1,2,2-Tetrachloroethane	ND	H ^c	10	2.0	ug/L			05/26/26 15:50	20
1,1,2-Trichloroethane	ND	H	10	1.6	ug/L			05/26/26 15:50	20
1,1-Dichloroethane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
1,1-Dichloroethene	ND	H	10	2.0	ug/L			05/26/26 15:50	20
1,2,4-Trichlorobenzene	ND	H	10	1.4	ug/L			05/26/26 15:50	20
1,2-Dibromo-3-Chloropropane	ND	H ^c	10	2.0	ug/L			05/26/26 15:50	20
1,2-Dibromoethane	ND	H	10	1.6	ug/L			05/26/26 15:50	20
1,2-Dichlorobenzene	ND	H	10	1.4	ug/L			05/26/26 15:50	20
1,2-Dichloroethane	ND	H	10	1.4	ug/L			05/26/26 15:50	20
1,2-Dichloropropane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
1,3-Dichlorobenzene	ND	H	10	1.4	ug/L			05/26/26 15:50	20
1,4-Dichlorobenzene	ND	H	10	1.4	ug/L			05/26/26 15:50	20
2-Butanone	ND	H	100	20	ug/L			05/26/26 15:50	20
2-Hexanone	ND	H	100	40	ug/L			05/26/26 15:50	20
4-Methyl-2-pentanone	ND	H	100	20	ug/L			05/26/26 15:50	20
Acetone	ND	H	100	30	ug/L			05/26/26 15:50	20
Bromodichloromethane	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Bromoform	ND	H	20	6.0	ug/L			05/26/26 15:50	20
Bromomethane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Carbon disulfide	ND	H	20	2.0	ug/L			05/26/26 15:50	20
Carbon tetrachloride	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Chlorobenzene	ND	H	10	1.4	ug/L			05/26/26 15:50	20
Chloroethane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Chloroform	ND	H	10	1.8	ug/L			05/26/26 15:50	20
Chloromethane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
cis-1,2-Dichloroethene	ND	H	10	1.6	ug/L			05/26/26 15:50	20
cis-1,3-Dichloropropene	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Cyclohexane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Dibromochloromethane	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Dichlorodifluoromethane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Ethylbenzene	**12**	**H**	10	1.6	ug/L			05/26/26 15:50	20
Freon 113	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Isopropylbenzene	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Methyl acetate	ND	H	20	4.0	ug/L			05/26/26 15:50	20
Methyl tertiary butyl ether	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Methylcyclohexane	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Methylene Chloride	ND	H	10	4.0	ug/L			05/26/26 15:50	20
Styrene	**34**	**H**	10	1.4	ug/L			05/26/26 15:50	20
Tetrachloroethene	ND	H	10	4.0	ug/L			05/26/26 15:50	20
Toluene	**220**	**H**	10	1.6	ug/L			05/26/26 15:50	20
trans-1,2-Dichloroethene	ND	H	10	2.0	ug/L			05/26/26 15:50	20
trans-1,3-Dichloropropene	ND	H ^c	10	1.6	ug/L			05/26/26 15:50	20
Trichloroethene	ND	H	10	1.6	ug/L			05/26/26 15:50	20
Trichlorofluoromethane	ND	H ^c	10	2.0	ug/L			05/26/26 15:50	20
Vinyl chloride	ND	H	10	2.0	ug/L			05/26/26 15:50	20
Xylene (total)	**180**	**H**	20	1.4	ug/L			05/26/26 15:50	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/26/26 15:50*	*20*

Client Sample ID: MW-40
Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*05/26/26 15:50*	*20*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*05/26/26 15:50*	*20*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/26/26 15:50*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3800**		100	20	ug/L			05/22/26 18:57	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/22/26 18:57*	*200*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/22/26 18:57*	*200*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/22/26 18:57*	*200*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/22/26 18:57*	*200*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**6.6**	**J**	14	2.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,2'-oxybis[1-chloropropane]	ND		2.7	1.7	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4,5-Trichlorophenol	ND		14	3.6	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4,6-Trichlorophenol	ND		14	3.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4-Dichlorophenol	ND		2.7	0.74	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4-Dimethylphenol	**53**		14	8.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4-Dinitrophenol	ND		140	47	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,4-Dinitrotoluene	ND		14	5.1	ug/L		05/13/26 21:39	05/15/26 20:32	15
2,6-Dinitrotoluene	ND		14	2.5	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Chloronaphthalene	ND		2.7	0.85	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Chlorophenol	ND		14	3.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Methylnaphthalene	**49**		2.7	0.89	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Methylphenol	**90**		14	8.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Nitroaniline	ND		72	7.9	ug/L		05/13/26 21:39	05/15/26 20:32	15
2-Nitrophenol	ND		14	2.8	ug/L		05/13/26 21:39	05/15/26 20:32	15
3,3'-Dichlorobenzidine	ND		14	8.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
3-Nitroaniline	ND		72	6.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
4,6-Dinitro-2-methylphenol	ND		72	21	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Bromophenyl phenyl ether	ND		14	4.6	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Chloro-3-methylphenol	ND		14	6.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Chloroaniline	ND		14	5.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Chlorophenyl phenyl ether	ND		14	3.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Nitroaniline	ND		72	5.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
4-Nitrophenol	ND		72	14	ug/L		05/13/26 21:39	05/15/26 20:32	15
Acenaphthene	**21**		2.7	0.94	ug/L		05/13/26 21:39	05/15/26 20:32	15
Acenaphthylene	**42**		2.7	0.94	ug/L		05/13/26 21:39	05/15/26 20:32	15
Acetophenone	**3.9**	**J**	14	2.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
Anthracene	**3.6**		2.7	0.71	ug/L		05/13/26 21:39	05/15/26 20:32	15
Atrazine	ND		14	4.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
Benzaldehyde	ND		14	7.8	ug/L		05/13/26 21:39	05/15/26 20:32	15
Benzo[a]anthracene	ND		2.7	1.1	ug/L		05/13/26 21:39	05/15/26 20:32	15
Benzo[a]pyrene	ND		2.7	1.8	ug/L		05/13/26 21:39	05/15/26 20:32	15
Benzo[b]fluoranthene	ND		2.7	1.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
Benzo[g,h,i]perylene	ND		2.7	1.0	ug/L		05/13/26 21:39	05/15/26 20:32	15

Client Sample ID: MW-40
Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		2.7	1.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
Bis(2-chloroethoxy)methane	ND		14	2.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
Bis(2-chloroethyl)ether	ND		2.7	2.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
Bis(2-ethylhexyl) phthalate	ND		140	30	ug/L		05/13/26 21:39	05/15/26 20:32	15
Butyl benzyl phthalate	ND		29	14	ug/L		05/13/26 21:39	05/15/26 20:32	15
Caprolactam	ND	^c	72	9.8	ug/L		05/13/26 21:39	05/15/26 20:32	15
Carbazole	**42**		2.7	0.74	ug/L		05/13/26 21:39	05/15/26 20:32	15
Chrysene	ND		2.7	1.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
Dibenz(a,h)anthracene	ND		2.7	1.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
Dibenzofuran	**21**		14	2.7	ug/L		05/13/26 21:39	05/15/26 20:32	15
Diethyl phthalate	ND		14	3.6	ug/L		05/13/26 21:39	05/15/26 20:32	15
Dimethyl phthalate	ND		29	2.9	ug/L		05/13/26 21:39	05/15/26 20:32	15
Di-n-butyl phthalate	ND		14	5.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
Di-n-octyl phthalate	ND	^c	14	9.9	ug/L		05/13/26 21:39	05/15/26 20:32	15
Fluoranthene	**4.4**		2.7	0.87	ug/L		05/13/26 21:39	05/15/26 20:32	15
Fluorene	**30**		2.7	1.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
Hexachlorobenzene	ND		2.7	0.81	ug/L		05/13/26 21:39	05/15/26 20:32	15
Hexachlorobutadiene	ND		2.7	2.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
Hexachlorocyclopentadiene	ND		14	7.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
Hexachloroethane	ND		14	4.6	ug/L		05/13/26 21:39	05/15/26 20:32	15
Indeno[1,2,3-cd]pyrene	ND		2.7	1.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
Isophorone	ND		14	2.7	ug/L		05/13/26 21:39	05/15/26 20:32	15
Methylphenol, 3 & 4	**110**		14	5.4	ug/L		05/13/26 21:39	05/15/26 20:32	15
Naphthalene	**1100**	**E**	2.7	0.85	ug/L		05/13/26 21:39	05/15/26 20:32	15
Nitrobenzene	ND		29	7.2	ug/L		05/13/26 21:39	05/15/26 20:32	15
N-Nitrosodi-n-propylamine	ND		2.7	1.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
N-Nitrosodiphenylamine	ND		14	3.6	ug/L		05/13/26 21:39	05/15/26 20:32	15
Pentachlorophenol	ND		72	12	ug/L		05/13/26 21:39	05/15/26 20:32	15
Phenanthrene	**31**		2.7	2.3	ug/L		05/13/26 21:39	05/15/26 20:32	15
Phenol	**130**		14	7.0	ug/L		05/13/26 21:39	05/15/26 20:32	15
Pyrene	**2.6**	**J**	2.7	1.6	ug/L		05/13/26 21:39	05/15/26 20:32	15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*31*		*23 - 128*	*05/13/26 21:39*	*05/15/26 20:32*	*15*
2-Fluorobiphenyl	*39*		*20 - 105*	*05/13/26 21:39*	*05/15/26 20:32*	*15*
2-Fluorophenol (Surr)	*36*		*20 - 105*	*05/13/26 21:39*	*05/15/26 20:32*	*15*
Nitrobenzene-d5 (Surr)	*38*		*20 - 107*	*05/13/26 21:39*	*05/15/26 20:32*	*15*
Phenol-d5 (Surr)	*40*		*20 - 106*	*05/13/26 21:39*	*05/15/26 20:32*	*15*
Terphenyl-d14 (Surr)	*28*		*22 - 120*	*05/13/26 21:39*	*05/15/26 20:32*	*15*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		190	27	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,2'-oxybis[1-chloropropane]	ND		37	23	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4,5-Trichlorophenol	ND		190	48	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4,6-Trichlorophenol	ND		190	43	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4-Dichlorophenol	ND		37	9.8	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4-Dimethylphenol	ND		190	110	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4-Dinitrophenol	ND		1900	630	ug/L		05/13/26 21:39	05/15/26 22:09	200
2,4-Dinitrotoluene	ND		190	68	ug/L		05/13/26 21:39	05/15/26 22:09	200

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-40
Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		190	33	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Chloronaphthalene	ND		37	11	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Chlorophenol	ND		190	43	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Methylnaphthalene	**51**		37	12	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Methylphenol	ND		190	110	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Nitroaniline	ND		960	110	ug/L		05/13/26 21:39	05/15/26 22:09	200
2-Nitrophenol	ND		190	37	ug/L		05/13/26 21:39	05/15/26 22:09	200
3,3'-Dichlorobenzidine	ND		190	110	ug/L		05/13/26 21:39	05/15/26 22:09	200
3-Nitroaniline	ND		960	84	ug/L		05/13/26 21:39	05/15/26 22:09	200
4,6-Dinitro-2-methylphenol	ND	^c	960	280	ug/L		05/13/26 21:39	05/15/26 22:09	200
4-Bromophenyl phenyl ether	ND		190	61	ug/L		05/13/26 21:39	05/15/26 22:09	200
4-Chloro-3-methylphenol	ND		190	84	ug/L		05/13/26 21:39	05/15/26 22:09	200
4-Chloroaniline	ND		190	72	ug/L		05/13/26 21:39	05/15/26 22:09	200
4-Chlorophenyl phenyl ether	ND		190	43	ug/L		05/13/26 21:39	05/15/26 22:09	200
4-Nitroaniline	ND		960	70	ug/L		05/13/26 21:39	05/15/26 22:09	200
Acenaphthene	**28**	**J**	37	13	ug/L		05/13/26 21:39	05/15/26 22:09	200
Acenaphthylene	**51**		37	13	ug/L		05/13/26 21:39	05/15/26 22:09	200
Acetophenone	ND		190	31	ug/L		05/13/26 21:39	05/15/26 22:09	200
Anthracene	ND		37	9.4	ug/L		05/13/26 21:39	05/15/26 22:09	200
Atrazine	ND		190	57	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzaldehyde	ND		190	100	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzo[a]anthracene	ND		37	14	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzo[a]pyrene	ND		37	25	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzo[b]fluoranthene	ND		37	19	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzo[g,h,i]perylene	ND		37	13	ug/L		05/13/26 21:39	05/15/26 22:09	200
Benzo[k]fluoranthene	ND		37	17	ug/L		05/13/26 21:39	05/15/26 22:09	200
Bis(2-chloroethoxy)methane	ND		190	29	ug/L		05/13/26 21:39	05/15/26 22:09	200
Bis(2-chloroethyl)ether	ND		37	27	ug/L		05/13/26 21:39	05/15/26 22:09	200
Bis(2-ethylhexyl) phthalate	ND		1900	400	ug/L		05/13/26 21:39	05/15/26 22:09	200
Butyl benzyl phthalate	ND		380	180	ug/L		05/13/26 21:39	05/15/26 22:09	200
Caprolactam	ND		960	130	ug/L		05/13/26 21:39	05/15/26 22:09	200
Carbazole	**46**		37	9.8	ug/L		05/13/26 21:39	05/15/26 22:09	200
Chrysene	ND		37	16	ug/L		05/13/26 21:39	05/15/26 22:09	200
Dibenz(a,h)anthracene	ND		37	14	ug/L		05/13/26 21:39	05/15/26 22:09	200
Dibenzofuran	ND		190	37	ug/L		05/13/26 21:39	05/15/26 22:09	200
Diethyl phthalate	ND		190	48	ug/L		05/13/26 21:39	05/15/26 22:09	200
Dimethyl phthalate	ND		380	38	ug/L		05/13/26 21:39	05/15/26 22:09	200
Di-n-butyl phthalate	ND		190	73	ug/L		05/13/26 21:39	05/15/26 22:09	200
Di-n-octyl phthalate	ND		190	130	ug/L		05/13/26 21:39	05/15/26 22:09	200
Fluoranthene	ND		37	12	ug/L		05/13/26 21:39	05/15/26 22:09	200
Fluorene	**33**	**J**	37	13	ug/L		05/13/26 21:39	05/15/26 22:09	200
Hexachlorobenzene	ND		37	11	ug/L		05/13/26 21:39	05/15/26 22:09	200
Hexachlorobutadiene	ND		37	30	ug/L		05/13/26 21:39	05/15/26 22:09	200
Hexachlorocyclopentadiene	ND		190	96	ug/L		05/13/26 21:39	05/15/26 22:09	200
Hexachloroethane	ND		190	61	ug/L		05/13/26 21:39	05/15/26 22:09	200
Indeno[1,2,3-cd]pyrene	ND		37	16	ug/L		05/13/26 21:39	05/15/26 22:09	200
Isophorone	ND		190	36	ug/L		05/13/26 21:39	05/15/26 22:09	200
Methylphenol, 3 & 4	**100**	**J**	190	72	ug/L		05/13/26 21:39	05/15/26 22:09	200
Naphthalene	**1400**		37	11	ug/L		05/13/26 21:39	05/15/26 22:09	200

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: MW-40
Date Collected: 05/11/26 15:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		380	96	ug/L		05/13/26 21:39	05/15/26 22:09	200
N-Nitrosodi-n-propylamine	ND		37	14	ug/L		05/13/26 21:39	05/15/26 22:09	200
N-Nitrosodiphenylamine	ND		190	48	ug/L		05/13/26 21:39	05/15/26 22:09	200
Pentachlorophenol	ND		960	160	ug/L		05/13/26 21:39	05/15/26 22:09	200
Phenanthrene	**39**		37	30	ug/L		05/13/26 21:39	05/15/26 22:09	200
Phenol	**130**	**J**	190	94	ug/L		05/13/26 21:39	05/15/26 22:09	200
Pyrene	ND		37	21	ug/L		05/13/26 21:39	05/15/26 22:09	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*23 - 128*	*05/13/26 21:39*	*05/15/26 22:09*	*200*
2-Fluorobiphenyl	*0*	*D S1-*	*20 - 105*	*05/13/26 21:39*	*05/15/26 22:09*	*200*
2-Fluorophenol (Surr)	*0*	*D S1-*	*20 - 105*	*05/13/26 21:39*	*05/15/26 22:09*	*200*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*20 - 107*	*05/13/26 21:39*	*05/15/26 22:09*	*200*
Phenol-d5 (Surr)	*0*	*D S1-*	*20 - 106*	*05/13/26 21:39*	*05/15/26 22:09*	*200*
Terphenyl-d14 (Surr)	*0*	*D S1-*	*22 - 120*	*05/13/26 21:39*	*05/15/26 22:09*	*200*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.5**	**FH**	15.0	6.00	mg/L			05/18/26 23:08	10
Nitrate as N	ND	H	0.110	0.0500	mg/L			05/14/26 12:29	1
Sulfate	**165**	**FH**	15.0	5.00	mg/L			05/18/26 23:08	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 829.68**		150	120	mg/L			05/22/26 10:39	10
Turbidity (EPA 180.1)	**32**		0.85	0.05	NTU			05/13/26 12:32	1
Total Dissolved Solids (SM 2540C)	**1100**		20	20	mg/L			05/15/26 19:15	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**910**		5.0	5.0	mg/L			05/19/26 14:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.2**	**HF**	0.1	0.1	SU			05/16/26 15:11	1
Specific Conductance (SM 2510B)	**2100**		1.0	1.0	umhos/cm			05/15/26 15:43	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 180-205319-3

Date Collected: 05/11/26 00:00

Matrix: Water

Date Received: 05/13/26 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 13:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 13:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 13:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/22/26 13:23	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/22/26 13:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
2-Butanone	ND		5.0	1.0	ug/L			05/22/26 13:23	1
2-Hexanone	ND		5.0	2.0	ug/L			05/22/26 13:23	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/22/26 13:23	1
Acetone	**5.5**		5.0	1.5	ug/L			05/22/26 13:23	1
Benzene	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Bromoform	ND		1.0	0.30	ug/L			05/22/26 13:23	1
Bromomethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/22/26 13:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
Chloroethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Chloroform	ND		0.50	0.090	ug/L			05/22/26 13:23	1
Chloromethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Cyclohexane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Dichlorodifluoromethane	ND	^c	0.50	0.10	ug/L			05/22/26 13:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Freon 113	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Methyl acetate	ND		1.0	0.20	ug/L			05/22/26 13:23	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Methylene Chloride	**0.90**		0.50	0.20	ug/L			05/22/26 13:23	1
Styrene	ND		0.50	0.070	ug/L			05/22/26 13:23	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/22/26 13:23	1
Toluene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 13:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Trichloroethene	ND		0.50	0.080	ug/L			05/22/26 13:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/22/26 13:23	1
Xylene (total)	ND		1.0	0.070	ug/L			05/22/26 13:23	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

Client Sample ID: TRIP BLANK
Date Collected: 05/11/26 00:00
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205319-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/22/26 13:23	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/22/26 13:23	1
Dibromofluoromethane (Surr)	97		80 - 120		05/22/26 13:23	1
Toluene-d8 (Surr)	95		80 - 120		05/22/26 13:23	1

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

Lab Sample ID: MB 410-822379/10
Matrix: Water
Analysis Batch: 822379

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		0.50	0.080	ug/L			05/22/26 12:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 12:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 12:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/22/26 12:17	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/22/26 12:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
2-Butanone	ND		5.0	1.0	ug/L			05/22/26 12:17	1
2-Hexanone	ND		5.0	2.0	ug/L			05/22/26 12:17	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/22/26 12:17	1
Acetone	ND		5.0	1.5	ug/L			05/22/26 12:17	1
Benzene	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Bromoform	ND		1.0	0.30	ug/L			05/22/26 12:17	1
Bromomethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/22/26 12:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
Chloroethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Chloroform	ND		0.50	0.090	ug/L			05/22/26 12:17	1
Chloromethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Cyclohexane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Freon 113	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Methyl acetate	ND		1.0	0.20	ug/L			05/22/26 12:17	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/22/26 12:17	1
Styrene	ND		0.50	0.070	ug/L			05/22/26 12:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/22/26 12:17	1
Toluene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 12:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Trichloroethene	ND		0.50	0.080	ug/L			05/22/26 12:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/22/26 12:17	1
Xylene (total)	ND		1.0	0.070	ug/L			05/22/26 12:17	1

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

Lab Sample ID: MB 410-822379/10
Matrix: Water
Analysis Batch: 822379

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/22/26 12:17*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*05/22/26 12:17*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/22/26 12:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/22/26 12:17*	*1*

Lab Sample ID: LCS 410-822379/6
Matrix: Water
Analysis Batch: 822379

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	5.00	4.85		ug/L		97	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.54		ug/L		111	75 - 130
1,1,2-Trichloroethane	5.00	5.10		ug/L		102	80 - 120
1,1-Dichloroethane	5.00	5.79		ug/L		116	80 - 128
1,1-Dichloroethene	5.00	5.43		ug/L		109	80 - 131
1,2,4-Trichlorobenzene	5.00	5.05		ug/L		101	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.48		ug/L		90	60 - 124
1,2-Dibromoethane	5.00	4.90		ug/L		98	80 - 120
1,2-Dichlorobenzene	5.00	4.95		ug/L		99	80 - 120
1,2-Dichloroethane	5.00	4.78		ug/L		96	79 - 128
1,2-Dichloropropane	5.00	5.97		ug/L		119	80 - 129
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,4-Dichlorobenzene	5.00	4.98		ug/L		100	80 - 120
2-Butanone	62.5	75.5		ug/L		121	67 - 141
2-Hexanone	62.5	77.9		ug/L		125	62 - 151
4-Methyl-2-pentanone	62.5	77.1		ug/L		123	63 - 140
Acetone	62.5	58.0		ug/L		93	60 - 146
Benzene	5.00	5.70		ug/L		114	80 - 120
Bromodichloromethane	5.00	5.18		ug/L		104	80 - 123
Bromoform	5.00	4.26		ug/L		85	67 - 134
Bromomethane	5.00	4.73		ug/L		95	63 - 126
Carbon disulfide	5.00	5.52		ug/L		110	67 - 130
Carbon tetrachloride	5.00	4.69		ug/L		94	77 - 132
Chlorobenzene	5.00	5.17		ug/L		103	80 - 120
Chloroethane	5.00	5.19		ug/L		104	63 - 132
Chloroform	5.00	5.13		ug/L		103	80 - 120
Chloromethane	5.00	4.73		ug/L		95	56 - 131
cis-1,2-Dichloroethene	5.00	5.41		ug/L		108	80 - 122
cis-1,3-Dichloropropene	5.00	5.25		ug/L		105	75 - 121
Cyclohexane	5.00	5.32		ug/L		106	69 - 120
Dibromochloromethane	5.00	4.56		ug/L		91	80 - 123
Dichlorodifluoromethane	5.00	3.10		ug/L		62	43 - 137
Ethylbenzene	5.00	5.28		ug/L		106	80 - 120
Freon 113	5.00	4.82		ug/L		96	61 - 124
Isopropylbenzene	5.00	5.02		ug/L		100	87 - 133
Methyl acetate	5.00	5.86		ug/L		117	45 - 143
Methyl tertiary butyl ether	5.00	4.66		ug/L		93	69 - 120
Methylcyclohexane	5.00	4.95		ug/L		99	69 - 126

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

Lab Sample ID: LCS 410-822379/6
Matrix: Water
Analysis Batch: 822379

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	5.00	5.58		ug/L		112	80 - 120
Styrene	5.00	5.23		ug/L		105	80 - 120
Tetrachloroethene	5.00	4.45		ug/L		89	80 - 120
Toluene	5.00	5.34		ug/L		107	80 - 120
trans-1,2-Dichloroethene	5.00	5.33		ug/L		107	80 - 122
trans-1,3-Dichloropropene	5.00	5.22		ug/L		104	76 - 123
Trichloroethene	5.00	5.13		ug/L		103	80 - 120
Trichlorofluoromethane	5.00	3.10		ug/L		62	53 - 136
Vinyl chloride	5.00	4.89		ug/L		98	60 - 125
Xylene (total)	15.0	15.4		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 180-205319-1 MS
Matrix: Water
Analysis Batch: 822385

Client Sample ID: MW-39
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	^c	100	106		ug/L		106	78 - 126
1,1,2,2-Tetrachloroethane	ND		100	98.4		ug/L		98	75 - 130
1,1,2-Trichloroethane	ND		100	108		ug/L		108	80 - 120
1,1-Dichloroethane	ND	^c	100	109		ug/L		109	80 - 128
1,1-Dichloroethene	ND		100	112		ug/L		112	80 - 131
1,2,4-Trichlorobenzene	ND		100	108		ug/L		108	68 - 122
1,2-Dibromo-3-Chloropropane	ND		100	103		ug/L		103	60 - 124
1,2-Dibromoethane	ND		100	106		ug/L		106	80 - 120
1,2-Dichlorobenzene	ND		100	105		ug/L		105	80 - 120
1,2-Dichloroethane	ND		100	112		ug/L		112	79 - 128
1,2-Dichloropropane	ND		100	107		ug/L		107	80 - 129
1,3-Dichlorobenzene	ND		100	105		ug/L		105	80 - 120
1,4-Dichlorobenzene	ND		100	105		ug/L		105	80 - 120
2-Butanone	ND		1250	942		ug/L		75	67 - 141
2-Hexanone	ND		1250	920		ug/L		74	62 - 151
4-Methyl-2-pentanone	ND		1250	942		ug/L		75	63 - 140
Acetone	ND		1250	1190		ug/L		95	60 - 146
Benzene	55		100	161		ug/L		107	80 - 120
Bromodichloromethane	ND	*+	100	108		ug/L		108	80 - 123
Bromoform	ND		100	95.2		ug/L		95	67 - 134
Bromomethane	ND		100	89.6		ug/L		90	63 - 126
Carbon disulfide	ND		100	101		ug/L		101	67 - 130
Carbon tetrachloride	ND		100	105		ug/L		105	77 - 132
Chlorobenzene	ND		100	99.3		ug/L		99	80 - 120
Chloroethane	ND		100	90.6		ug/L		91	63 - 132
Chloroform	ND	^c	100	107		ug/L		107	80 - 120

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

Lab Sample ID: 180-205319-1 MS
Matrix: Water
Analysis Batch: 822385

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		100	76.1		ug/L		76	56 - 131
cis-1,2-Dichloroethene	ND	^c	100	109		ug/L		109	80 - 122
cis-1,3-Dichloropropene	ND		100	103		ug/L		103	75 - 121
Cyclohexane	ND		100	95.1		ug/L		95	69 - 120
Dibromochloromethane	ND		100	100		ug/L		100	80 - 123
Dichlorodifluoromethane	ND		100	69.1		ug/L		69	43 - 137
Ethylbenzene	ND		100	99.5		ug/L		100	80 - 120
Freon 113	ND		100	105		ug/L		105	61 - 124
Isopropylbenzene	ND		100	98.7		ug/L		99	87 - 133
Methyl acetate	ND	FL	100	54.9		ug/L		55	45 - 143
Methyl tertiary butyl ether	ND		100	106		ug/L		106	69 - 120
Methylcyclohexane	ND		100	96.8		ug/L		97	69 - 126
Methylene Chloride	ND		100	111		ug/L		111	80 - 120
Styrene	ND		100	101		ug/L		101	80 - 120
Tetrachloroethene	ND		100	102		ug/L		102	80 - 120
Toluene	ND		100	99.0		ug/L		99	80 - 120
trans-1,2-Dichloroethene	ND		100	106		ug/L		106	80 - 122
trans-1,3-Dichloropropene	ND		100	99.0		ug/L		99	76 - 123
Trichloroethene	ND	FH	100	106		ug/L		106	80 - 120
Trichlorofluoromethane	ND		100	72.2		ug/L		72	53 - 136
Vinyl chloride	ND	^c	100	69.0		ug/L		69	60 - 125
Xylene (total)	2.3	J	300	299		ug/L		99	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 180-205319-1 MSD
Matrix: Water
Analysis Batch: 822385

Client Sample ID: MW-39
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	^c	100	105		ug/L		105	78 - 126	1	30
1,1,2,2-Tetrachloroethane	ND		100	104		ug/L		104	75 - 130	6	30
1,1,2-Trichloroethane	ND		100	106		ug/L		106	80 - 120	2	30
1,1-Dichloroethane	ND	^c	100	107		ug/L		107	80 - 128	2	30
1,1-Dichloroethene	ND		100	109		ug/L		109	80 - 131	3	30
1,2,4-Trichlorobenzene	ND		100	112		ug/L		112	68 - 122	3	30
1,2-Dibromo-3-Chloropropane	ND		100	105		ug/L		105	60 - 124	2	30
1,2-Dibromoethane	ND		100	107		ug/L		107	80 - 120	1	30
1,2-Dichlorobenzene	ND		100	103		ug/L		103	80 - 120	2	30
1,2-Dichloroethane	ND		100	114		ug/L		114	79 - 128	2	30
1,2-Dichloropropane	ND		100	108		ug/L		108	80 - 129	1	30
1,3-Dichlorobenzene	ND		100	104		ug/L		104	80 - 120	1	30
1,4-Dichlorobenzene	ND		100	104		ug/L		104	80 - 120	1	30
2-Butanone	ND		1250	873		ug/L		70	67 - 141	8	30

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

Lab Sample ID: 180-205319-1 MSD
Matrix: Water
Analysis Batch: 822385

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		1250	876		ug/L		70	62 - 151	5	30
4-Methyl-2-pentanone	ND		1250	900		ug/L		72	63 - 140	5	30
Acetone	ND		1250	1150		ug/L		92	60 - 146	3	30
Benzene	55		100	160		ug/L		106	80 - 120	1	30
Bromodichloromethane	ND	*+	100	107		ug/L		107	80 - 123	1	30
Bromoform	ND		100	98.2		ug/L		98	67 - 134	3	30
Bromomethane	ND		100	90.2		ug/L		90	63 - 126	1	30
Carbon disulfide	ND		100	102		ug/L		102	67 - 130	1	30
Carbon tetrachloride	ND		100	106		ug/L		106	77 - 132	2	30
Chlorobenzene	ND		100	100		ug/L		100	80 - 120	1	30
Chloroethane	ND		100	89.9		ug/L		90	63 - 132	1	30
Chloroform	ND	^c	100	108		ug/L		108	80 - 120	0	30
Chloromethane	ND		100	76.0		ug/L		76	56 - 131	0	30
cis-1,2-Dichloroethene	ND	^c	100	110		ug/L		110	80 - 122	1	30
cis-1,3-Dichloropropene	ND		100	103		ug/L		103	75 - 121	0	30
Cyclohexane	ND		100	96.1		ug/L		96	69 - 120	1	30
Dibromochloromethane	ND		100	99.9		ug/L		100	80 - 123	0	30
Dichlorodifluoromethane	ND		100	68.8		ug/L		69	43 - 137	0	30
Ethylbenzene	ND		100	100		ug/L		100	80 - 120	1	30
Freon 113	ND		100	103		ug/L		103	61 - 124	1	30
Isopropylbenzene	ND		100	99.7		ug/L		100	87 - 133	1	30
Methyl acetate	ND	FL	100	41.2	FL	ug/L		41	45 - 143	29	30
Methyl tertiary butyl ether	ND		100	107		ug/L		107	69 - 120	0	30
Methylcyclohexane	ND		100	97.0		ug/L		97	69 - 126	0	30
Methylene Chloride	ND		100	111		ug/L		111	80 - 120	0	30
Styrene	ND		100	102		ug/L		102	80 - 120	0	30
Tetrachloroethene	ND		100	101		ug/L		101	80 - 120	1	30
Toluene	ND		100	101		ug/L		101	80 - 120	2	30
trans-1,2-Dichloroethene	ND		100	104		ug/L		104	80 - 122	2	30
trans-1,3-Dichloropropene	ND		100	100		ug/L		100	76 - 123	1	30
Trichloroethene	ND	FH	100	122	FH	ug/L		122	80 - 120	14	30
Trichlorofluoromethane	ND		100	71.8		ug/L		72	53 - 136	0	30
Vinyl chloride	ND	^c	100	72.0		ug/L		72	60 - 125	4	30
Xylene (total)	2.3	J	300	300		ug/L		99	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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		0.50	0.080	ug/L			05/26/26 12:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

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

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
2-Butanone	ND		5.0	1.0	ug/L			05/26/26 12:32	1
2-Hexanone	ND		5.0	2.0	ug/L			05/26/26 12:32	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/26/26 12:32	1
Acetone	ND		5.0	1.5	ug/L			05/26/26 12:32	1
Benzene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Bromoform	ND		1.0	0.30	ug/L			05/26/26 12:32	1
Bromomethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/26/26 12:32	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
Chloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Chloroform	ND		0.50	0.090	ug/L			05/26/26 12:32	1
Chloromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Cyclohexane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Freon 113	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Methyl acetate	ND		1.0	0.20	ug/L			05/26/26 12:32	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/26/26 12:32	1
Styrene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/26/26 12:32	1
Toluene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Trichloroethene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Xylene (total)	ND		1.0	0.070	ug/L			05/26/26 12:32	1

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

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/26/26 12:32	1
4-Bromofluorobenzene (Surr)	106		80 - 120		05/26/26 12:32	1
Dibromofluoromethane (Surr)	100		80 - 120		05/26/26 12:32	1
Toluene-d8 (Surr)	109		80 - 120		05/26/26 12:32	1

Lab Sample ID: LCS 410-823638/5
Matrix: Water
Analysis Batch: 823638

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	5.00	5.09		ug/L		102	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.20		ug/L		124	75 - 130
1,1,2-Trichloroethane	5.00	5.59		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.65		ug/L		113	80 - 128
1,1-Dichloroethene	5.00	5.06		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	5.00	5.00		ug/L		100	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.34		ug/L		107	60 - 124
1,2-Dibromoethane	5.00	5.45		ug/L		109	80 - 120
1,2-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	5.79		ug/L		116	79 - 128
1,2-Dichloropropane	5.00	5.55		ug/L		111	80 - 129
1,3-Dichlorobenzene	5.00	5.17		ug/L		103	80 - 120
1,4-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
2-Butanone	62.5	71.2		ug/L		114	67 - 141
2-Hexanone	62.5	72.7		ug/L		116	62 - 151
4-Methyl-2-pentanone	62.5	73.5		ug/L		118	63 - 140
Acetone	62.5	63.5		ug/L		102	60 - 146
Benzene	5.00	5.08		ug/L		102	80 - 120
Bromodichloromethane	5.00	5.16		ug/L		103	80 - 123
Bromoform	5.00	4.53		ug/L		91	67 - 134
Bromomethane	5.00	4.31		ug/L		86	63 - 126
Carbon disulfide	5.00	5.04		ug/L		101	67 - 130
Carbon tetrachloride	5.00	4.86		ug/L		97	77 - 132
Chlorobenzene	5.00	5.15		ug/L		103	80 - 120
Chloroethane	5.00	4.57		ug/L		91	63 - 132
Chloroform	5.00	4.67		ug/L		93	80 - 120
Chloromethane	5.00	4.66		ug/L		93	56 - 131
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
cis-1,3-Dichloropropene	5.00	5.12		ug/L		102	75 - 121
Cyclohexane	5.00	5.25		ug/L		105	69 - 120
Dibromochloromethane	5.00	4.89		ug/L		98	80 - 123
Dichlorodifluoromethane	5.00	4.68		ug/L		94	43 - 137
Ethylbenzene	5.00	5.36		ug/L		107	80 - 120
Freon 113	5.00	4.99		ug/L		100	61 - 124
Isopropylbenzene	5.00	5.25		ug/L		105	87 - 133
Methyl acetate	5.00	4.34		ug/L		87	45 - 143
Methyl tertiary butyl ether	5.00	5.18		ug/L		104	69 - 120
Methylcyclohexane	5.00	4.88		ug/L		98	69 - 126

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

Lab Sample ID: LCS 410-823638/5
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			5.00	6.00		ug/L		120	80 - 120		
Styrene			5.00	5.14		ug/L		103	80 - 120		
Tetrachloroethene			5.00	4.42		ug/L		88	80 - 120		
Toluene			5.00	5.24		ug/L		105	80 - 120		
trans-1,2-Dichloroethene			5.00	5.00		ug/L		100	80 - 122		
trans-1,3-Dichloropropene			5.00	5.83		ug/L		117	76 - 123		
Trichloroethene			5.00	4.93		ug/L		99	80 - 120		
Trichlorofluoromethane			5.00	3.27		ug/L		65	53 - 136		
Vinyl chloride			5.00	4.66		ug/L		93	60 - 125		
Xylene (total)			15.0	15.4		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 410-823638/6
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.93		ug/L		99	78 - 126	3	30
1,1,2,2-Tetrachloroethane			5.00	6.00		ug/L		120	75 - 130	3	30
1,1,2-Trichloroethane			5.00	5.61		ug/L		112	80 - 120	0	30
1,1-Dichloroethane			5.00	5.44		ug/L		109	80 - 128	4	30
1,1-Dichloroethene			5.00	4.87		ug/L		97	80 - 131	4	30
1,2,4-Trichlorobenzene			5.00	4.81		ug/L		96	68 - 122	4	30
1,2-Dibromo-3-Chloropropane			5.00	5.23		ug/L		105	60 - 124	2	30
1,2-Dibromoethane			5.00	5.34		ug/L		107	80 - 120	2	30
1,2-Dichlorobenzene			5.00	5.09		ug/L		102	80 - 120	3	30
1,2-Dichloroethane			5.00	5.63		ug/L		113	79 - 128	3	30
1,2-Dichloropropane			5.00	5.42		ug/L		108	80 - 129	2	30
1,3-Dichlorobenzene			5.00	4.99		ug/L		100	80 - 120	4	30
1,4-Dichlorobenzene			5.00	4.95		ug/L		99	80 - 120	2	30
2-Butanone			62.5	68.7		ug/L		110	67 - 141	4	30
2-Hexanone			62.5	69.9		ug/L		112	62 - 151	4	30
4-Methyl-2-pentanone			62.5	71.1		ug/L		114	63 - 140	3	30
Acetone			62.5	64.3		ug/L		103	60 - 146	1	30
Benzene			5.00	4.94		ug/L		99	80 - 120	3	30
Bromodichloromethane			5.00	5.08		ug/L		102	80 - 123	1	30
Bromoform			5.00	4.51		ug/L		90	67 - 134	1	30
Bromomethane			5.00	4.10		ug/L		82	63 - 126	5	30
Carbon disulfide			5.00	4.80		ug/L		96	67 - 130	5	30
Carbon tetrachloride			5.00	4.67		ug/L		93	77 - 132	4	30
Chlorobenzene			5.00	5.10		ug/L		102	80 - 120	1	30
Chloroethane			5.00	4.35		ug/L		87	63 - 132	5	30
Chloroform			5.00	4.50		ug/L		90	80 - 120	4	30

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

Lab Sample ID: LCSD 410-823638/6
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			5.00	4.47		ug/L		89	56 - 131	4	30
cis-1,2-Dichloroethene			5.00	4.88		ug/L		98	80 - 122	5	30
cis-1,3-Dichloropropene			5.00	5.00		ug/L		100	75 - 121	2	30
Cyclohexane			5.00	5.10		ug/L		102	69 - 120	3	30
Dibromochloromethane			5.00	4.83		ug/L		97	80 - 123	1	30
Dichlorodifluoromethane			5.00	4.46		ug/L		89	43 - 137	5	30
Ethylbenzene			5.00	5.28		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.73		ug/L		95	61 - 124	5	30
Isopropylbenzene			5.00	5.16		ug/L		103	87 - 133	2	30
Methyl acetate			5.00	4.51		ug/L		90	45 - 143	4	30
Methyl tertiary butyl ether			5.00	5.13		ug/L		103	69 - 120	1	30
Methylcyclohexane			5.00	4.75		ug/L		95	69 - 126	3	30
Methylene Chloride			5.00	5.84		ug/L		117	80 - 120	3	30
Styrene			5.00	5.07		ug/L		101	80 - 120	1	30
Tetrachloroethene			5.00	4.41		ug/L		88	80 - 120	0	30
Toluene			5.00	5.17		ug/L		103	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	4.78		ug/L		96	80 - 122	5	30
trans-1,3-Dichloropropene			5.00	5.71		ug/L		114	76 - 123	2	30
Trichloroethene			5.00	4.81		ug/L		96	80 - 120	3	30
Trichlorofluoromethane			5.00	3.06		ug/L		61	53 - 136	7	30
Vinyl chloride			5.00	4.45		ug/L		89	60 - 125	5	30
Xylene (total)			15.0	15.1		ug/L		100	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-513777/1-A
Matrix: Water
Analysis Batch: 513849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/13/26 21:39	05/15/26 11:23	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/13/26 21:39	05/15/26 11:23	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/13/26 21:39	05/15/26 11:23	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/13/26 21:39	05/15/26 11:23	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/13/26 21:39	05/15/26 11:23	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/13/26 21:39	05/15/26 11:23	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513777/1-A
Matrix: Water
Analysis Batch: 513849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		5.0	0.55	ug/L		05/13/26 21:39	05/15/26 11:23	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/13/26 21:39	05/15/26 11:23	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/13/26 21:39	05/15/26 11:23	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/13/26 21:39	05/15/26 11:23	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/13/26 21:39	05/15/26 11:23	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/13/26 21:39	05/15/26 11:23	1
Acenaphthene	ND		0.19	0.065	ug/L		05/13/26 21:39	05/15/26 11:23	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/13/26 21:39	05/15/26 11:23	1
Acetophenone	ND		1.0	0.16	ug/L		05/13/26 21:39	05/15/26 11:23	1
Anthracene	ND		0.19	0.049	ug/L		05/13/26 21:39	05/15/26 11:23	1
Atrazine	ND		1.0	0.30	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/13/26 21:39	05/15/26 11:23	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/13/26 21:39	05/15/26 11:23	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/13/26 21:39	05/15/26 11:23	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/13/26 21:39	05/15/26 11:23	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/13/26 21:39	05/15/26 11:23	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/13/26 21:39	05/15/26 11:23	1
Caprolactam	ND		5.0	0.68	ug/L		05/13/26 21:39	05/15/26 11:23	1
Carbazole	ND		0.19	0.051	ug/L		05/13/26 21:39	05/15/26 11:23	1
Chrysene	ND		0.19	0.081	ug/L		05/13/26 21:39	05/15/26 11:23	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/13/26 21:39	05/15/26 11:23	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/13/26 21:39	05/15/26 11:23	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/13/26 21:39	05/15/26 11:23	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/13/26 21:39	05/15/26 11:23	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/13/26 21:39	05/15/26 11:23	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/13/26 21:39	05/15/26 11:23	1
Fluoranthene	ND		0.19	0.060	ug/L		05/13/26 21:39	05/15/26 11:23	1
Fluorene	ND		0.19	0.069	ug/L		05/13/26 21:39	05/15/26 11:23	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/13/26 21:39	05/15/26 11:23	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/13/26 21:39	05/15/26 11:23	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/13/26 21:39	05/15/26 11:23	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/13/26 21:39	05/15/26 11:23	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/13/26 21:39	05/15/26 11:23	1
Isophorone	ND		1.0	0.19	ug/L		05/13/26 21:39	05/15/26 11:23	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/13/26 21:39	05/15/26 11:23	1
Naphthalene	ND		0.19	0.059	ug/L		05/13/26 21:39	05/15/26 11:23	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/13/26 21:39	05/15/26 11:23	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/13/26 21:39	05/15/26 11:23	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/13/26 21:39	05/15/26 11:23	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/13/26 21:39	05/15/26 11:23	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513777/1-A
Matrix: Water
Analysis Batch: 513849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.19	0.16	ug/L		05/13/26 21:39	05/15/26 11:23	1
Phenol	ND		1.0	0.49	ug/L		05/13/26 21:39	05/15/26 11:23	1
Pyrene	ND		0.19	0.11	ug/L		05/13/26 21:39	05/15/26 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*23 - 128*	*05/13/26 21:39*	*05/15/26 11:23*	*1*
2-Fluorobiphenyl	*67*		*20 - 105*	*05/13/26 21:39*	*05/15/26 11:23*	*1*
2-Fluorophenol (Surr)	*67*		*20 - 105*	*05/13/26 21:39*	*05/15/26 11:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*20 - 107*	*05/13/26 21:39*	*05/15/26 11:23*	*1*
Phenol-d5 (Surr)	*69*		*20 - 106*	*05/13/26 21:39*	*05/15/26 11:23*	*1*
Terphenyl-d14 (Surr)	*67*		*22 - 120*	*05/13/26 21:39*	*05/15/26 11:23*	*1*

Lab Sample ID: LCS 180-513777/2-A
Matrix: Water
Analysis Batch: 513849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	14.3		ug/L		72	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	13.3		ug/L		67	29 - 102
2,4,5-Trichlorophenol	20.0	15.9		ug/L		80	55 - 100
2,4,6-Trichlorophenol	20.0	15.7		ug/L		79	54 - 100
2,4-Dichlorophenol	20.0	15.0		ug/L		75	55 - 100
2,4-Dimethylphenol	20.0	14.8		ug/L		74	51 - 100
2,4-Dinitrophenol	40.0	27.3		ug/L		68	32 - 100
2,4-Dinitrotoluene	20.0	15.1		ug/L		76	56 - 100
2,6-Dinitrotoluene	20.0	14.6		ug/L		73	56 - 101
2-Chloronaphthalene	20.0	14.0		ug/L		70	52 - 100
2-Chlorophenol	20.0	14.2		ug/L		71	53 - 100
2-Methylnaphthalene	20.0	13.7		ug/L		68	53 - 100
2-Methylphenol	20.0	14.7		ug/L		73	51 - 100
2-Nitroaniline	20.0	16.6		ug/L		83	47 - 104
2-Nitrophenol	20.0	15.1		ug/L		76	56 - 100
3,3'-Dichlorobenzidine	20.0	12.4		ug/L		62	42 - 100
3-Nitroaniline	20.0	14.3		ug/L		72	54 - 100
4,6-Dinitro-2-methylphenol	40.0	29.0		ug/L		73	48 - 100
4-Bromophenyl phenyl ether	20.0	15.4		ug/L		77	50 - 100
4-Chloro-3-methylphenol	20.0	14.7		ug/L		73	47 - 105
4-Chloroaniline	20.0	13.9		ug/L		70	48 - 100
4-Chlorophenyl phenyl ether	20.0	14.7		ug/L		74	52 - 100
4-Nitroaniline	20.0	14.6		ug/L		73	54 - 100
4-Nitrophenol	40.0	32.4		ug/L		81	37 - 120
Acenaphthene	20.0	13.8		ug/L		69	51 - 100
Acenaphthylene	20.0	14.1		ug/L		71	54 - 100
Acetophenone	20.0	13.7		ug/L		68	46 - 100
Anthracene	20.0	14.1		ug/L		71	54 - 100
Atrazine	20.0	16.9		ug/L		84	50 - 100
Benzaldehyde	20.0	8.35		ug/L		42	25 - 114
Benzo[a]anthracene	20.0	14.1		ug/L		71	52 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513777/2-A
Matrix: Water
Analysis Batch: 513849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	20.0	13.2		ug/L		66	52 - 100
Benzo[b]fluoranthene	20.0	13.6		ug/L		68	50 - 100
Benzo[g,h,i]perylene	20.0	13.6		ug/L		68	53 - 100
Benzo[k]fluoranthene	20.0	14.8		ug/L		74	49 - 100
Bis(2-chloroethoxy)methane	20.0	11.2		ug/L		56	49 - 100
Bis(2-chloroethyl)ether	20.0	12.5		ug/L		63	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	15.1		ug/L		75	52 - 101
Butyl benzyl phthalate	20.0	15.0		ug/L		75	52 - 100
Caprolactam	20.0	15.4		ug/L		77	46 - 111
Carbazole	20.0	14.3		ug/L		72	55 - 100
Chrysene	20.0	13.0		ug/L		65	51 - 100
Dibenz(a,h)anthracene	20.0	14.1		ug/L		71	52 - 101
Dibenzofuran	20.0	14.1		ug/L		71	53 - 100
Diethyl phthalate	20.0	14.3		ug/L		72	52 - 100
Dimethyl phthalate	20.0	14.4		ug/L		72	55 - 100
Di-n-butyl phthalate	20.0	15.5		ug/L		77	57 - 100
Di-n-octyl phthalate	20.0	17.4		ug/L		87	41 - 100
Fluoranthene	20.0	15.1		ug/L		76	56 - 100
Fluorene	20.0	14.3		ug/L		72	53 - 100
Hexachlorobenzene	20.0	14.7		ug/L		74	46 - 100
Hexachlorobutadiene	20.0	15.1		ug/L		75	42 - 101
Hexachlorocyclopentadiene	20.0	15.2		ug/L		76	38 - 102
Hexachloroethane	20.0	13.8		ug/L		69	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.4		ug/L		72	54 - 100
Isophorone	20.0	12.6		ug/L		63	50 - 100
Methylphenol, 3 & 4	20.0	14.7		ug/L		74	51 - 100
Naphthalene	20.0	13.8		ug/L		69	53 - 100
Nitrobenzene	20.0	15.0		ug/L		75	47 - 100
N-Nitrosodi-n-propylamine	20.0	15.7		ug/L		78	43 - 103
N-Nitrosodiphenylamine	20.0	14.9		ug/L		75	53 - 100
Pentachlorophenol	40.0	30.4		ug/L		76	35 - 102
Phenanthrene	20.0	13.5		ug/L		67	53 - 100
Phenol	20.0	13.8		ug/L		69	49 - 100
Pyrene	20.0	13.8		ug/L		69	53 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*23 - 128*
2-Fluorobiphenyl	*71*		*20 - 105*
2-Fluorophenol (Surr)	*70*		*20 - 105*
Nitrobenzene-d5 (Surr)	*78*		*20 - 107*
Phenol-d5 (Surr)	*71*		*20 - 106*
Terphenyl-d14 (Surr)	*67*		*22 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-817657/19
Matrix: Water
Analysis Batch: 817657

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 10:58	1

Lab Sample ID: LCS 410-817657/17
Matrix: Water
Analysis Batch: 817657

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			0.750	0.7090		mg/L		95	90 - 110		

Lab Sample ID: LCSD 410-817657/18
Matrix: Water
Analysis Batch: 817657

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			0.750	0.7130		mg/L		95	90 - 110	1	20

Lab Sample ID: 180-205319-1 MS
Matrix: Water
Analysis Batch: 817657

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	ND	H FH	0.500	0.5890	FH	mg/L		118	90 - 110		

Lab Sample ID: 180-205319-1 DU
Matrix: Water
Analysis Batch: 817657

Client Sample ID: MW-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitrate as N	ND	H FH		ND		mg/L				NC	15

Lab Sample ID: MB 410-817658/19
Matrix: Water
Analysis Batch: 817658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/14/26 10:58	1
Sulfate	ND		1.50	0.500	mg/L			05/14/26 10:58	1

Lab Sample ID: LCS 410-817658/17
Matrix: Water
Analysis Batch: 817658

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			3.00	2.854		mg/L		95	90 - 110		
Sulfate			7.50	7.047		mg/L		94	90 - 110		

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 410-817658/18
Matrix: Water
Analysis Batch: 817658

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.857		mg/L		95	90 - 110	0	20
Sulfate			7.50	7.014		mg/L		94	90 - 110	0	20

Lab Sample ID: MB 410-820010/5
Matrix: Water
Analysis Batch: 820010

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/18/26 08:02	1
Sulfate	ND		1.50	0.500	mg/L			05/18/26 08:02	1

Lab Sample ID: LCS 410-820010/3
Matrix: Water
Analysis Batch: 820010

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			3.00	2.880		mg/L		96	90 - 110		
Sulfate			7.50	7.057		mg/L		94	90 - 110		

Lab Sample ID: LCSD 410-820010/4
Matrix: Water
Analysis Batch: 820010

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.885		mg/L		96	90 - 110	0	20
Sulfate			7.50	7.060		mg/L		94	90 - 110	0	20

Lab Sample ID: 180-205319-2 MS
Matrix: Water
Analysis Batch: 820010

Client Sample ID: MW-40
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	24.5	FH	20.0	48.04	FH	mg/L		118	90 - 110		
Sulfate	165	FH	50.0	224.2	FH	mg/L		118	90 - 110		

Lab Sample ID: 180-205319-2 DU
Matrix: Water
Analysis Batch: 820010

Client Sample ID: MW-40
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	24.5	FH		24.42		mg/L				0.2	15
Sulfate	165	FH		164.8		mg/L				0.3	15

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-822522/3
Matrix: Water
Analysis Batch: 822522

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			05/22/26 10:39	1

Lab Sample ID: LCS 410-822522/4
Matrix: Water
Analysis Batch: 822522

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	244		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-822522/5
Matrix: Water
Analysis Batch: 822522

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	250	251		mg/L		100	90 - 110	3	10

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-513754/7
Matrix: Water
Analysis Batch: 513754

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/13/26 12:26	1

Lab Sample ID: LCS 180-513754/8
Matrix: Water
Analysis Batch: 513754

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	0.850	0.85		NTU		101	90 - 110

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-513892/22
Matrix: Water
Analysis Batch: 513892

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-513877/1
Matrix: Water
Analysis Batch: 513877

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/15/26 15:39	1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 180-513877/2
Matrix: Water
Analysis Batch: 513877

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	84.0	86.1		umhos/cm		103	90 - 110

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

Lab Sample ID: MB 180-513882/1
Matrix: Water
Analysis Batch: 513882

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	10	mg/L			05/15/26 19:15	1

Lab Sample ID: LCS 180-513882/2
Matrix: Water
Analysis Batch: 513882

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	653	634		mg/L		97	85 - 115

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-513972/2
Matrix: Water
Analysis Batch: 513972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/19/26 14:09	1

Lab Sample ID: LCS 180-513972/1
Matrix: Water
Analysis Batch: 513972

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	255		mg/L		101	90 - 110

GC/MS VOA

Analysis Batch: 822379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-2 - DL	MW-40	Total/NA	Water	8260D	
180-205319-3	TRIP BLANK	Total/NA	Water	8260D	
MB 410-822379/10	Method Blank	Total/NA	Water	8260D	
LCS 410-822379/6	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 822385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1 - DL	MW-39	Total/NA	Water	8260D	
180-205319-1 MS	MW-39	Total/NA	Water	8260D	
180-205319-1 MSD	MW-39	Total/NA	Water	8260D	

Analysis Batch: 823638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	8260D	
180-205319-2	MW-40	Total/NA	Water	8260D	
MB 410-823638/10	Method Blank	Total/NA	Water	8260D	
LCS 410-823638/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-823638/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 513777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	3520C	
180-205319-1 - DL	MW-39	Total/NA	Water	3520C	
180-205319-2 - DL	MW-40	Total/NA	Water	3520C	
180-205319-2	MW-40	Total/NA	Water	3520C	
MB 180-513777/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-513777/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 513849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	EPA 8270E LL	513777
180-205319-2	MW-40	Total/NA	Water	EPA 8270E LL	513777
MB 180-513777/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	513777
LCS 180-513777/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	513777

Analysis Batch: 513859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-2 - DL	MW-40	Total/NA	Water	EPA 8270E LL	513777

Analysis Batch: 513921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1 - DL	MW-39	Total/NA	Water	EPA 8270E LL	513777

HPLC/IC

Analysis Batch: 817657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	9056A	
180-205319-2	MW-40	Total/NA	Water	9056A	
MB 410-817657/19	Method Blank	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 817657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-817657/17	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-817657/18	Lab Control Sample Dup	Total/NA	Water	9056A	
180-205319-1 MS	MW-39	Total/NA	Water	9056A	
180-205319-1 DU	MW-39	Total/NA	Water	9056A	

Analysis Batch: 817658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-817658/19	Method Blank	Total/NA	Water	9056A	
LCS 410-817658/17	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-817658/18	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 820010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	9056A	
180-205319-2	MW-40	Total/NA	Water	9056A	
MB 410-820010/5	Method Blank	Total/NA	Water	9056A	
LCS 410-820010/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-820010/4	Lab Control Sample Dup	Total/NA	Water	9056A	
180-205319-2 MS	MW-40	Total/NA	Water	9056A	
180-205319-2 DU	MW-40	Total/NA	Water	9056A	

General Chemistry

Analysis Batch: 513754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	EPA 180.1	
180-205319-2	MW-40	Total/NA	Water	EPA 180.1	
MB 180-513754/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-513754/8	Lab Control Sample	Total/NA	Water	EPA 180.1	

Analysis Batch: 513877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	SM 2510B	
180-205319-2	MW-40	Total/NA	Water	SM 2510B	
MB 180-513877/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-513877/2	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 513882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	SM 2540C	
180-205319-2	MW-40	Total/NA	Water	SM 2540C	
MB 180-513882/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-513882/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 513892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	EPA 9040C	
180-205319-2	MW-40	Total/NA	Water	EPA 9040C	
LCS 180-513892/22	Lab Control Sample	Total/NA	Water	EPA 9040C	

QC Association Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205319-1

General Chemistry

Analysis Batch: 513972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	SM2320 B	
180-205319-2	MW-40	Total/NA	Water	SM2320 B	
MB 180-513972/2	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-513972/1	Lab Control Sample	Total/NA	Water	SM2320 B	

Analysis Batch: 822522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205319-1	MW-39	Total/NA	Water	2310B-2011	
180-205319-2	MW-40	Total/NA	Water	2310B-2011	
MB 410-822522/3	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-822522/4	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-822522/5	Lab Control Sample Dup	Total/NA	Water	2310B-2011	

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Kupfer	Site Contact: Dave Gaviglia	Date:	COC No: 1
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	Lab Contact: Andy Johnson	Carrier: Hand Delivered	_____ of _____ COCs
100 Airside Drive	Tel/Fax: 724-457-8910			TALS Project #:
Moon Twp., PA 15108	Analysis Turnaround Time			Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below			Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks			Lab Sampling:
Site: Erie Coke Works	☐ 1 week			Job / SDG No.:
P O #: 208908	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-39	5/11/26	13:55	G	GW		X	X	X				
MW-40	5/11/26	15:15	G	GW		X	X	X				

180-205319 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

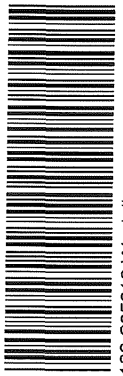
Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: Michael Baker Intl.	Date/Time: 1700 5/11/26	Received by:	Company: OFFICE	Date/Time: 5/13/26 0930
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 45 of 51

5/27/2026

Do no



180-205319 Waybill

ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPFER
MICHAEL BAKER INTERNATIONAL
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 11MAY26
ACTWGT: 35.35 LB
CAD: 6570002/ROSA2710
DIMS: 27x14x14 IN

BILL THIRD PARTY

Part # 156952-RRD EXP 02/27

TO ANDY JOHNSON
EUROFINS ENVMNT TESTING – PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238
(724) 457-8910

INV:
PO:

REF: INTERNAL BILLING REF: 208908-3020

DEPT:

FedEx Express

J26102601200UN

WED - 13 MAY AA
PRIORITY OVERNIGHT

TRK# 0201 8716 7379 2864

65 AGCA

15238
PA-US
PIT

Uncorrected temp °C
Thermometer ID 5.2 28
CF -0.3 Initials
PT-WI-SR-001 effective 7/26/13

1641883 12May2026 ERIA 50KG2/2061/4048

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556695.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP Pennsylvania		Job #: 180-205319-1
Address: 2425 New Holland Pike,	Due Date Requested: 5/27/2026			Preservation Codes:
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2026 Erie CokeSite Groundwater Sampling	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oi BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_LL/5030CVOCs	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-39 (180-205319-1)	5/11/26	13:55 Eastern	G	Water			X	X	1	
MW-40 (180-205319-2)	5/11/26	15:15 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	James J. Hinchman	5/13/26 14:00	LPS	MA	5/13 21 1400	ELK
2	MA	5/13/26 1815	ELK			
3					5/13/26 1815	ELK

Custody Seals Intact:	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
☑ Yes ☐ No		21/22

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556733.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205319-1
Address: 2425 New Holland Pike,	Due Date Requested: 5/27/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	8260D_LL/5030CVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TRIP BLANK (180-205319-3)	5/11/26	Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hirshman	5/14/26 14:00	EPHWE	Brad min	5/14/26 1255	Ellp
2	Brad min	5/14/26 1700	Ellp			
3					5/14/26 1700	

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R: 1.0/C: 1.1

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205319-1

Login Number: 205319

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	False	
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	
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	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205319-1

Login Number: 205319
List Number: 2
Creator: Martin, Elizabeth

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/13/26 10:57 PM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205319-1

Login Number: 205319
List Number: 3
Creator: Trzos, Hazel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/15/26 12:40 PM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 5/28/2026 1:29:54 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205320-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

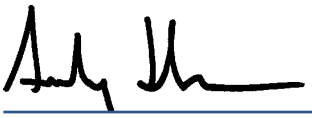
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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5/28/2026 1:29:54 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job Narrative
180-205320-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/13/2026 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.5°C and 4.9°C.

Receipt Exceptions
The following samples were submitted for analysis; however, they were not listed on the Internal Chain-of-Custody (ICOC): MW-42 (180-205320-7), MW-43 (180-205320-8), MW-46 (180-205320-9), MW-41 (180-205320-10) and MW-44 (180-205320-11)

GC/MS VOA
Method 8260D: The GC/MS volatile internal standard peak areas listed below are outside the acceptance criteria of -50% to +100% for the anti-foam method blank associated with (MB 410-822809/31).

Internal Standard - Initial Analysis	% Recovery
tert-Butyl Alcohol-d10	28.09

Method 8260D: Due to observed foaming of the sample during purging, an anti-foaming agent was added to the following samples to allow analysis at a lower dilution factor: : MW-14 (180-205320-1), MW-42 (180-205320-7), MW-46 (180-205320-9) and MW-44 (180-205320-11).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822809 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane and Methyl acetate. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method blank for 410-822809 contained Benzene and Toluene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-823638 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-823638 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system. The associated samples on 410-822809 are: MW-12 (180-205320-2) and MW-16 (180-205320-4).

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

GC/MS Semi VOA
Method EPA 8270E LL: The laboratory control sample (LCS) for preparation batch 180-513838 and analytical batch 180-513919 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, Isophorone, N-

Nitrosodi-n-propylamine, Nitrobenzene and . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method EPA 8270E LL: The following analyte recovered outside control limits for the LCS associated with preparation batch 180-513838 and analytical batch 180-513919: Methylphenol, 3 & 4. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method EPA 8270E LL: The following sample was diluted due to an abundance of target analytes: MW-15 (180-205320-12). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: Surrogate recovery for the following sample was outside control limits: MW-2 (180-205320-5). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method EPA 8270E LL: Surrogate recovery for the following sample was outside control limits: MW-12-DUP (180-205320-3). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method EPA 8270E LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16 (180-205320-4), MW-2-DUP (180-205320-6) and MW-41 (180-205320-10). Elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: Surrogate recovery for the following samples were outside control limits: MW-12-DUP (180-205320-3) and MW-2 (180-205320-5). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method EPA 8270E LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-12 (180-205320-2), MW-12-DUP (180-205320-3) and MW-2 (180-205320-5). Elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-16 (180-205320-4), MW-41 (180-205320-10) and MW-15 (180-205320-12). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

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

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

General Chemistry
Method EPA 180.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-43 (180-205320-8) and MW-44 (180-205320-11). Elevated reporting limits (RLs) are provided.

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 10.0 was applied to the raw result of -65.682 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-42 (180-205320-7)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 10.0 was applied to the raw result of -95.028 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-44 (180-205320-11)

Method 2310B-2011: The following samples were diluted due to the nature of the sample matrix: MW-42 (180-205320-7) and MW-44 (180-205320-11). Elevated reporting limits (RLs) are provided.

Job ID: 180-205320-1 (Continued) Eurofins Pittsburgh

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Analyte was found in the blank.
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
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205320-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	05-20-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Job ID: 180-205320-1
Project/Site: Erie Coke Works

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205320-1	MW-14	Water	05/12/26 09:10	05/13/26 09:30	Pennsylvania
180-205320-2	MW-12	Water	05/12/26 10:30	05/13/26 09:30	Pennsylvania
180-205320-3	MW-12-DUP	Water	05/12/26 10:50	05/13/26 09:30	Pennsylvania
180-205320-4	MW-16	Water	05/12/26 11:50	05/13/26 09:30	Pennsylvania
180-205320-5	MW-2	Water	05/12/26 15:10	05/13/26 09:30	Pennsylvania
180-205320-6	MW-2-DUP	Water	05/12/26 15:20	05/13/26 09:30	Pennsylvania
180-205320-7	MW-42	Water	05/12/26 09:35	05/13/26 09:30	Pennsylvania
180-205320-8	MW-43	Water	05/12/26 11:10	05/13/26 09:30	Pennsylvania
180-205320-9	MW-46	Water	05/12/26 14:45	05/13/26 09:30	Pennsylvania
180-205320-10	MW-41	Water	05/12/26 09:45	05/13/26 09:30	Pennsylvania
180-205320-11	MW-44	Water	05/12/26 11:15	05/13/26 09:30	Pennsylvania
180-205320-12	MW-15	Water	05/12/26 15:30	05/13/26 09:30	Pennsylvania
180-205320-13	TB-2	Water	05/12/26 00:00	05/13/26 09:30	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
9056A	Anions, Ion Chromatography	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
2310B-2011	Acidity	SM	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-14

Lab Sample ID: 180-205320-1

Date Collected: 05/12/26 09:10

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	823638	05/26/26 14:00	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 14:27	VVP	EET PIT
	Instrument ID: CH71									

Client Sample ID: MW-12

Lab Sample ID: 180-205320-2

Date Collected: 05/12/26 10:30

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	25 mL	25 mL	822809	05/23/26 02:51	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 14:49	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	5	1 mL	1 mL	513935	05/18/26 20:58	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: MW-12-DUP

Lab Sample ID: 180-205320-3

Date Collected: 05/12/26 10:50

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	25 mL	25 mL	822809	05/23/26 02:07	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	822809	05/23/26 02:29	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 15:11	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	5	1 mL	1 mL	513935	05/18/26 21:21	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: MW-16

Lab Sample ID: 180-205320-4

Date Collected: 05/12/26 11:50

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	25 mL	25 mL	822809	05/23/26 03:35	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		10	1 mL	1 mL	513919	05/18/26 15:34	VVP	EET PIT
	Instrument ID: CH71									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-16

Lab Sample ID: 180-205320-4

Date Collected: 05/12/26 11:50

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	40	1 mL	1 mL	513935	05/18/26 21:43	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: MW-2

Lab Sample ID: 180-205320-5

Date Collected: 05/12/26 15:10

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	822809	05/23/26 04:19	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D		100	25 mL	25 mL	823638	05/26/26 16:12	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 15:56	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	15	1 mL	1 mL	513935	05/18/26 22:06	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: MW-2-DUP

Lab Sample ID: 180-205320-6

Date Collected: 05/12/26 15:20

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	822809	05/23/26 05:04	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D		100	25 mL	25 mL	823638	05/26/26 16:35	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		10	1 mL	1 mL	513919	05/18/26 16:18	VVP	EET PIT
	Instrument ID: CH71									

Client Sample ID: MW-42

Lab Sample ID: 180-205320-7

Date Collected: 05/12/26 09:35

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	823638	05/26/26 14:22	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 16:40	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Analysis	9056A		1			817657	05/14/26 08:51	L4QM	ELLE
	Instrument ID: 3162									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-42

Date Collected: 05/12/26 09:35
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			817658	05/14/26 08:51	L4QM	ELLE
Total/NA	Analysis	9056A		10	1 mL	1 mL	820010	05/18/26 22:57	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		10	25 mL	25 mL	822522	05/22/26 10:38	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513754	05/13/26 12:43	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:10	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513877	05/15/26 15:44	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513882	05/15/26 19:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 14:51	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-43

Date Collected: 05/12/26 11:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822809	05/23/26 01:23	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 17:03	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Analysis	9056A		10	1 mL	1 mL	820010	05/18/26 22:45	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		1			817629	05/14/26 09:04	L4QM	ELLE
	Instrument ID: 33226									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		2			513754	05/13/26 12:42	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:09	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:11	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513996	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 14:59	ELS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Michael Baker International, Inc.
Job ID: 180-205320-1
Project/Site: Erie Coke Works

Client Sample ID: MW-46
Lab Sample ID: 180-205320-9

Date Collected: 05/12/26 14:45
Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	823638	05/26/26 14:44	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 17:25	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Analysis	9056A		5	1 mL	1 mL	820010	05/19/26 00:05	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		20	1 mL	1 mL	820010	05/19/26 00:17	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		1			817629	05/14/26 12:19	L4QM	ELLE
	Instrument ID: 33226									
Dissolved	Prep	Non-Digest Prep			50 mL	51.5 mL	821778	05/21/26 11:56	MT26	ELLE
Dissolved	Analysis	6020B		1			822219	05/21/26 21:16	LHF4	ELLE
	Instrument ID: E12-									
Total Recoverable	Prep	3005A			50 mL	50 mL	822308	05/25/26 09:18	RFN5	ELLE
Total Recoverable	Analysis	6020B		1			823444	05/25/26 23:34	LHF4	ELLE
	Instrument ID: E09 - 30921									
Total Recoverable	Prep	3005A			50 mL	50 mL	822308	05/25/26 09:18	RFN5	ELLE
Total Recoverable	Analysis	6020B		1			823445	05/25/26 22:12	LHF4	ELLE
	Instrument ID: E10									
Dissolved	Prep	7470A			5 mL	5 mL	818355	05/20/26 17:49	HNC4	ELLE
Dissolved	Analysis	7470A		1			821780	05/21/26 00:32	HNC4	ELLE
	Instrument ID: M12									
Total/NA	Prep	7470A			5 mL	5 mL	820239	05/20/26 17:49	HNC4	ELLE
Total/NA	Analysis	7470A		1			821780	05/21/26 00:05	HNC4	ELLE
	Instrument ID: M12									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513754	05/13/26 12:38	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:08	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513996	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 15:03	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-41

Lab Sample ID: 180-205320-10

Date Collected: 05/12/26 09:45

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	25 mL	25 mL	822809	05/23/26 05:47	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	5000	25 mL	25 mL	822809	05/23/26 06:09	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		20	1 mL	1 mL	513919	05/18/26 17:47	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	150	1 mL	1 mL	513935	05/18/26 22:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Analysis	9056A		1			817657	05/14/26 08:40	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		1			817658	05/14/26 08:40	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513754	05/13/26 12:37	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:07	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:17	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513996	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 15:07	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-44

Lab Sample ID: 180-205320-11

Date Collected: 05/12/26 11:15

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822809	05/23/26 08:44	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	513919	05/18/26 18:10	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Analysis	9056A		1			817657	05/14/26 09:26	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		1			817658	05/14/26 09:26	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		5	1 mL	1 mL	819985	05/18/26 12:57	L4QM	ELLE
	Instrument ID: D20 - 3394									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-44

Lab Sample ID: 180-205320-11

Date Collected: 05/12/26 11:15

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2310B-2011		10	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
Total/NA	Analysis	EPA 180.1		10			513754	05/13/26 12:35	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:38	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513996	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 15:11	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-15

Lab Sample ID: 180-205320-12

Date Collected: 05/12/26 15:30

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	25 mL	25 mL	822809	05/23/26 06:31	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	5000	25 mL	25 mL	822809	05/23/26 06:53	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		40	1 mL	1 mL	513919	05/18/26 18:32	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513838	05/15/26 02:48	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	300	1 mL	1 mL	513935	05/18/26 23:13	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: TB-2

Lab Sample ID: 180-205320-13

Date Collected: 05/12/26 00:00

Matrix: Water

Date Received: 05/13/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822809	05/23/26 00:39	HR3Z	ELLE
	Instrument ID: 19930									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman

LWM = Leslie McIntire

RAO = Rachel Oster

SNR = Sabra Richart

VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Prep

HNC4 = Mindy Schantzenbach

MT26 = Jason Knight

RFN5 = Aniyah Oxendine

Batch Type: Analysis

HNC4 = Mindy Schantzenbach

HR3Z = Nicholas Carson

L4QM = Jacquelyn Schoener

LHF4 = Diamond Boyer

N7YK = Eric Ressler

UMLG = Michele Graham

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-14

Date Collected: 05/12/26 09:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:00	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:00	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:00	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
1,2-Dibromo-3-Chloropropane	ND	^c	0.50	0.10	ug/L			05/26/26 14:00	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/26/26 14:00	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/26/26 14:00	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
2-Butanone	ND		5.0	1.0	ug/L			05/26/26 14:00	1
2-Hexanone	ND		5.0	2.0	ug/L			05/26/26 14:00	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/26/26 14:00	1
Acetone	ND		5.0	1.5	ug/L			05/26/26 14:00	1
Benzene	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Bromoform	ND		1.0	0.30	ug/L			05/26/26 14:00	1
Bromomethane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/26/26 14:00	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
Chloroethane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Chloroform	ND		0.50	0.090	ug/L			05/26/26 14:00	1
Chloromethane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:00	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Cyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Freon 113	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Methyl acetate	ND		1.0	0.20	ug/L			05/26/26 14:00	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Methylene Chloride	**0.29**	**J**	0.50	0.20	ug/L			05/26/26 14:00	1
Styrene	ND		0.50	0.070	ug/L			05/26/26 14:00	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/26/26 14:00	1
Toluene	ND		0.50	0.080	ug/L			05/26/26 14:00	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:00	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/26/26 14:00	1
Trichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:00	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:00	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/26/26 14:00	1
Xylene (total)	ND		1.0	0.070	ug/L			05/26/26 14:00	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-14
Date Collected: 05/12/26 09:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/26/26 14:00*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/26/26 14:00*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/26/26 14:00*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*05/26/26 14:00*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 14:27	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 14:27	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 14:27	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 14:27	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 14:27	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 14:27	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 14:27	1
Acenaphthene	**0.087**	**J**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 14:27	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 14:27	1
Acetophenone	**0.28**	**J**	0.96	0.15	ug/L		05/15/26 02:48	05/18/26 14:27	1
Anthracene	ND		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 14:27	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 14:27	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 14:27	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 14:27	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 14:27	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 14:27	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 14:27	1
Caprolactam	**0.76**	**J**	4.8	0.65	ug/L		05/15/26 02:48	05/18/26 14:27	1
Carbazole	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 14:27	1
Chrysene	ND		0.18	0.078	ug/L		05/15/26 02:48	05/18/26 14:27	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 14:27	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-14
Date Collected: 05/12/26 09:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/15/26 02:48	05/18/26 14:27	1
Diethyl phthalate	**0.31**	**J**	0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:27	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 14:27	1
Di-n-butyl phthalate	**0.37**	**J**	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:27	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 14:27	1
Fluoranthene	**0.072**	**J**	0.18	0.058	ug/L		05/15/26 02:48	05/18/26 14:27	1
Fluorene	**0.070**	**J**	0.18	0.066	ug/L		05/15/26 02:48	05/18/26 14:27	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 14:27	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 14:27	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 14:27	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 14:27	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 14:27	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 14:27	1
Methylphenol, 3 & 4	ND	*+	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:27	1
Naphthalene	**0.24**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 14:27	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 14:27	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 14:27	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:27	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 14:27	1
Phenanthrene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 14:27	1
Phenol	ND		0.96	0.47	ug/L		05/15/26 02:48	05/18/26 14:27	1
Pyrene	ND		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*111*		*23 - 128*	*05/15/26 02:48*	*05/18/26 14:27*	*1*
2-Fluorobiphenyl	*64*		*20 - 105*	*05/15/26 02:48*	*05/18/26 14:27*	*1*
2-Fluorophenol (Surr)	*27*		*20 - 105*	*05/15/26 02:48*	*05/18/26 14:27*	*1*
Nitrobenzene-d5 (Surr)	*23*		*20 - 107*	*05/15/26 02:48*	*05/18/26 14:27*	*1*
Phenol-d5 (Surr)	*68*		*20 - 106*	*05/15/26 02:48*	*05/18/26 14:27*	*1*
Terphenyl-d14 (Surr)	*115*		*22 - 120*	*05/15/26 02:48*	*05/18/26 14:27*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12
Date Collected: 05/12/26 10:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	8.0	ug/L			05/23/26 02:51	100
1,1,2,2-Tetrachloroethane	ND	^c	50	10	ug/L			05/23/26 02:51	100
1,1,2-Trichloroethane	ND		50	8.0	ug/L			05/23/26 02:51	100
1,1-Dichloroethane	ND		50	10	ug/L			05/23/26 02:51	100
1,1-Dichloroethene	ND		50	10	ug/L			05/23/26 02:51	100
1,2,4-Trichlorobenzene	ND		50	7.0	ug/L			05/23/26 02:51	100
1,2-Dibromo-3-Chloropropane	ND		50	10	ug/L			05/23/26 02:51	100
1,2-Dibromoethane	ND		50	8.0	ug/L			05/23/26 02:51	100
1,2-Dichlorobenzene	ND		50	7.0	ug/L			05/23/26 02:51	100
1,2-Dichloroethane	ND		50	7.0	ug/L			05/23/26 02:51	100
1,2-Dichloropropane	ND		50	10	ug/L			05/23/26 02:51	100
1,3-Dichlorobenzene	ND		50	7.0	ug/L			05/23/26 02:51	100
1,4-Dichlorobenzene	ND		50	7.0	ug/L			05/23/26 02:51	100
2-Butanone	ND		500	100	ug/L			05/23/26 02:51	100
2-Hexanone	ND		500	200	ug/L			05/23/26 02:51	100
4-Methyl-2-pentanone	ND		500	100	ug/L			05/23/26 02:51	100
Acetone	ND		500	150	ug/L			05/23/26 02:51	100
Benzene	**2200**		50	10	ug/L			05/23/26 02:51	100
Bromodichloromethane	ND		50	8.0	ug/L			05/23/26 02:51	100
Bromoform	ND		100	30	ug/L			05/23/26 02:51	100
Bromomethane	ND		50	10	ug/L			05/23/26 02:51	100
Carbon disulfide	ND		100	10	ug/L			05/23/26 02:51	100
Carbon tetrachloride	ND		50	10	ug/L			05/23/26 02:51	100
Chlorobenzene	ND		50	7.0	ug/L			05/23/26 02:51	100
Chloroethane	ND		50	10	ug/L			05/23/26 02:51	100
Chloroform	ND		50	9.0	ug/L			05/23/26 02:51	100
Chloromethane	ND		50	10	ug/L			05/23/26 02:51	100
cis-1,2-Dichloroethene	ND		50	8.0	ug/L			05/23/26 02:51	100
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/23/26 02:51	100
Cyclohexane	ND		50	10	ug/L			05/23/26 02:51	100
Dibromochloromethane	ND		50	8.0	ug/L			05/23/26 02:51	100
Dichlorodifluoromethane	ND		50	10	ug/L			05/23/26 02:51	100
Ethylbenzene	**130**		50	8.0	ug/L			05/23/26 02:51	100
Freon 113	ND		50	8.0	ug/L			05/23/26 02:51	100
Isopropylbenzene	ND		50	8.0	ug/L			05/23/26 02:51	100
Methyl acetate	ND	^c	100	20	ug/L			05/23/26 02:51	100
Methyl tertiary butyl ether	ND		50	8.0	ug/L			05/23/26 02:51	100
Methylcyclohexane	ND		50	10	ug/L			05/23/26 02:51	100
Methylene Chloride	ND		50	20	ug/L			05/23/26 02:51	100
Styrene	ND		50	7.0	ug/L			05/23/26 02:51	100
Tetrachloroethene	ND		50	20	ug/L			05/23/26 02:51	100
Toluene	**23**	**J**	50	8.0	ug/L			05/23/26 02:51	100
trans-1,2-Dichloroethene	ND		50	10	ug/L			05/23/26 02:51	100
trans-1,3-Dichloropropene	ND		50	8.0	ug/L			05/23/26 02:51	100
Trichloroethene	ND		50	8.0	ug/L			05/23/26 02:51	100
Trichlorofluoromethane	ND		50	10	ug/L			05/23/26 02:51	100
Vinyl chloride	ND		50	10	ug/L			05/23/26 02:51	100
Xylene (total)	**1200**		100	7.0	ug/L			05/23/26 02:51	100

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12
Date Collected: 05/12/26 10:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/23/26 02:51*	*100*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/23/26 02:51*	*100*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/23/26 02:51*	*100*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 02:51*	*100*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.14**	**J**	0.96	0.14	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4-Dimethylphenol	**22**		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 14:49	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Methylnaphthalene	**0.61**		0.18	0.060	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Methylphenol	**16**		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 14:49	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 14:49	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 14:49	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 14:49	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 14:49	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 14:49	1
Acenaphthene	**1.0**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 14:49	1
Acenaphthylene	**1.2**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 14:49	1
Acetophenone	**6.4**		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 14:49	1
Anthracene	**0.37**		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 14:49	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzo[a]anthracene	**0.15**	**J**	0.18	0.072	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 14:49	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 14:49	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 14:49	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 14:49	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 14:49	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 14:49	1
Caprolactam	ND		4.8	0.65	ug/L		05/15/26 02:48	05/18/26 14:49	1
Carbazole	**2.6**		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 14:49	1
Chrysene	**0.13**	**J**	0.18	0.078	ug/L		05/15/26 02:48	05/18/26 14:49	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 14:49	1

Client Sample ID: MW-12
Date Collected: 05/12/26 10:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**0.90**	**J**	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 14:49	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:49	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 14:49	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:49	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 14:49	1
Fluoranthene	**0.37**		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 14:49	1
Fluorene	**0.89**		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 14:49	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 14:49	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 14:49	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 14:49	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 14:49	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 14:49	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 14:49	1
Methylphenol, 3 & 4	**28**	***+**	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 14:49	1
Naphthalene	**52**	**E**	0.18	0.057	ug/L		05/15/26 02:48	05/18/26 14:49	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 14:49	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 14:49	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 14:49	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 14:49	1
Phenanthrene	**0.19**		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 14:49	1
Phenol	**52**	**E**	0.96	0.47	ug/L		05/15/26 02:48	05/18/26 14:49	1
Pyrene	**0.35**		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*23 - 128*	*05/15/26 02:48*	*05/18/26 14:49*	*1*
2-Fluorobiphenyl	*64*		*20 - 105*	*05/15/26 02:48*	*05/18/26 14:49*	*1*
2-Fluorophenol (Surr)	*33*		*20 - 105*	*05/15/26 02:48*	*05/18/26 14:49*	*1*
Nitrobenzene-d5 (Surr)	*45*		*20 - 107*	*05/15/26 02:48*	*05/18/26 14:49*	*1*
Phenol-d5 (Surr)	*59*		*20 - 106*	*05/15/26 02:48*	*05/18/26 14:49*	*1*
Terphenyl-d14 (Surr)	*59*		*22 - 120*	*05/15/26 02:48*	*05/18/26 14:49*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		4.8	0.68	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,2'-oxybis[1-chloropropane]	ND		0.91	0.58	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4,5-Trichlorophenol	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4,6-Trichlorophenol	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4-Dichlorophenol	ND		0.91	0.25	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4-Dimethylphenol	**17**		4.8	2.8	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4-Dinitrophenol	ND		48	16	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,4-Dinitrotoluene	ND		4.8	1.7	ug/L		05/15/26 02:48	05/18/26 20:58	5
2,6-Dinitrotoluene	ND		4.8	0.83	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Chloronaphthalene	ND		0.91	0.28	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Chlorophenol	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Methylnaphthalene	**0.46**	**J**	0.91	0.30	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Methylphenol	**11**		4.8	2.7	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Nitroaniline	ND		24	2.6	ug/L		05/15/26 02:48	05/18/26 20:58	5
2-Nitrophenol	ND		4.8	0.93	ug/L		05/15/26 02:48	05/18/26 20:58	5
3,3'-Dichlorobenzidine	ND	*+	4.8	2.8	ug/L		05/15/26 02:48	05/18/26 20:58	5
3-Nitroaniline	ND		24	2.1	ug/L		05/15/26 02:48	05/18/26 20:58	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12
Date Collected: 05/12/26 10:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	*+	24	7.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Bromophenyl phenyl ether	ND		4.8	1.5	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Chloro-3-methylphenol	ND		4.8	2.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Chloroaniline	ND		4.8	1.8	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Chlorophenyl phenyl ether	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Nitroaniline	ND		24	1.7	ug/L		05/15/26 02:48	05/18/26 20:58	5
4-Nitrophenol	ND		24	4.5	ug/L		05/15/26 02:48	05/18/26 20:58	5
Acenaphthene	**0.98**		0.91	0.31	ug/L		05/15/26 02:48	05/18/26 20:58	5
Acenaphthylene	**1.0**		0.91	0.31	ug/L		05/15/26 02:48	05/18/26 20:58	5
Acetophenone	**4.8**		4.8	0.76	ug/L		05/15/26 02:48	05/18/26 20:58	5
Anthracene	**0.35**	**J**	0.91	0.24	ug/L		05/15/26 02:48	05/18/26 20:58	5
Atrazine	ND		4.8	1.4	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzaldehyde	ND		4.8	2.6	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzo[a]anthracene	ND		0.91	0.36	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzo[a]pyrene	ND		0.91	0.62	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzo[b]fluoranthene	ND		0.91	0.47	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzo[g,h,i]perylene	ND		0.91	0.33	ug/L		05/15/26 02:48	05/18/26 20:58	5
Benzo[k]fluoranthene	ND		0.91	0.42	ug/L		05/15/26 02:48	05/18/26 20:58	5
Bis(2-chloroethoxy)methane	ND		4.8	0.73	ug/L		05/15/26 02:48	05/18/26 20:58	5
Bis(2-chloroethyl)ether	ND		0.91	0.67	ug/L		05/15/26 02:48	05/18/26 20:58	5
Bis(2-ethylhexyl) phthalate	ND		48	10	ug/L		05/15/26 02:48	05/18/26 20:58	5
Butyl benzyl phthalate	ND		9.6	4.5	ug/L		05/15/26 02:48	05/18/26 20:58	5
Caprolactam	ND		24	3.3	ug/L		05/15/26 02:48	05/18/26 20:58	5
Carbazole	**2.2**		0.91	0.25	ug/L		05/15/26 02:48	05/18/26 20:58	5
Chrysene	ND		0.91	0.39	ug/L		05/15/26 02:48	05/18/26 20:58	5
Dibenz(a,h)anthracene	ND		0.91	0.35	ug/L		05/15/26 02:48	05/18/26 20:58	5
Dibenzofuran	ND		4.8	0.91	ug/L		05/15/26 02:48	05/18/26 20:58	5
Diethyl phthalate	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 20:58	5
Dimethyl phthalate	ND		9.6	0.96	ug/L		05/15/26 02:48	05/18/26 20:58	5
Di-n-butyl phthalate	ND		4.8	1.8	ug/L		05/15/26 02:48	05/18/26 20:58	5
Di-n-octyl phthalate	ND		4.8	3.3	ug/L		05/15/26 02:48	05/18/26 20:58	5
Fluoranthene	**0.33**	**J**	0.91	0.29	ug/L		05/15/26 02:48	05/18/26 20:58	5
Fluorene	**0.75**	**J**	0.91	0.33	ug/L		05/15/26 02:48	05/18/26 20:58	5
Hexachlorobenzene	ND		0.91	0.27	ug/L		05/15/26 02:48	05/18/26 20:58	5
Hexachlorobutadiene	ND		0.91	0.75	ug/L		05/15/26 02:48	05/18/26 20:58	5
Hexachlorocyclopentadiene	ND		4.8	2.4	ug/L		05/15/26 02:48	05/18/26 20:58	5
Hexachloroethane	ND		4.8	1.5	ug/L		05/15/26 02:48	05/18/26 20:58	5
Indeno[1,2,3-cd]pyrene	ND		0.91	0.41	ug/L		05/15/26 02:48	05/18/26 20:58	5
Isophorone	ND	*+	4.8	0.90	ug/L		05/15/26 02:48	05/18/26 20:58	5
Methylphenol, 3 & 4	**20**	***+**	4.8	1.8	ug/L		05/15/26 02:48	05/18/26 20:58	5
Naphthalene	**41**		0.91	0.28	ug/L		05/15/26 02:48	05/18/26 20:58	5
Nitrobenzene	ND	*+	9.6	2.4	ug/L		05/15/26 02:48	05/18/26 20:58	5
N-Nitrosodi-n-propylamine	ND	*+	0.91	0.34	ug/L		05/15/26 02:48	05/18/26 20:58	5
N-Nitrosodiphenylamine	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 20:58	5
Pentachlorophenol	ND		24	4.1	ug/L		05/15/26 02:48	05/18/26 20:58	5
Phenanthrene	ND		0.91	0.75	ug/L		05/15/26 02:48	05/18/26 20:58	5
Phenol	**40**		4.8	2.3	ug/L		05/15/26 02:48	05/18/26 20:58	5
Pyrene	ND		0.91	0.53	ug/L		05/15/26 02:48	05/18/26 20:58	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12
Date Collected: 05/12/26 10:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		23 - 128	05/15/26 02:48	05/18/26 20:58	5
2-Fluorobiphenyl	56		20 - 105	05/15/26 02:48	05/18/26 20:58	5
2-Fluorophenol (Surr)	27		20 - 105	05/15/26 02:48	05/18/26 20:58	5
Nitrobenzene-d5 (Surr)	34		20 - 107	05/15/26 02:48	05/18/26 20:58	5
Phenol-d5 (Surr)	43		20 - 106	05/15/26 02:48	05/18/26 20:58	5
Terphenyl-d14 (Surr)	48		22 - 120	05/15/26 02:48	05/18/26 20:58	5

Client Sample ID: MW-12-DUP
Date Collected: 05/12/26 10:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			05/23/26 02:07	50
1,1,2,2-Tetrachloroethane	ND	^c	25	5.0	ug/L			05/23/26 02:07	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			05/23/26 02:07	50
1,1-Dichloroethane	ND		25	5.0	ug/L			05/23/26 02:07	50
1,1-Dichloroethene	ND		25	5.0	ug/L			05/23/26 02:07	50
1,2,4-Trichlorobenzene	ND		25	3.5	ug/L			05/23/26 02:07	50
1,2-Dibromo-3-Chloropropane	ND		25	5.0	ug/L			05/23/26 02:07	50
1,2-Dibromoethane	ND		25	4.0	ug/L			05/23/26 02:07	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			05/23/26 02:07	50
1,2-Dichloroethane	ND		25	3.5	ug/L			05/23/26 02:07	50
1,2-Dichloropropane	ND		25	5.0	ug/L			05/23/26 02:07	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			05/23/26 02:07	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			05/23/26 02:07	50
2-Butanone	ND		250	50	ug/L			05/23/26 02:07	50
2-Hexanone	ND		250	100	ug/L			05/23/26 02:07	50
4-Methyl-2-pentanone	ND		250	50	ug/L			05/23/26 02:07	50
Acetone	ND		250	75	ug/L			05/23/26 02:07	50
Bromodichloromethane	ND		25	4.0	ug/L			05/23/26 02:07	50
Bromoform	ND		50	15	ug/L			05/23/26 02:07	50
Bromomethane	ND		25	5.0	ug/L			05/23/26 02:07	50
Carbon disulfide	ND		50	5.0	ug/L			05/23/26 02:07	50
Carbon tetrachloride	ND		25	5.0	ug/L			05/23/26 02:07	50
Chlorobenzene	ND		25	3.5	ug/L			05/23/26 02:07	50
Chloroethane	ND		25	5.0	ug/L			05/23/26 02:07	50
Chloroform	ND		25	4.5	ug/L			05/23/26 02:07	50
Chloromethane	ND		25	5.0	ug/L			05/23/26 02:07	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			05/23/26 02:07	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			05/23/26 02:07	50
Cyclohexane	ND		25	5.0	ug/L			05/23/26 02:07	50
Dibromochloromethane	ND		25	4.0	ug/L			05/23/26 02:07	50
Dichlorodifluoromethane	ND		25	5.0	ug/L			05/23/26 02:07	50
Ethylbenzene	**160**		25	4.0	ug/L			05/23/26 02:07	50
Freon 113	ND		25	4.0	ug/L			05/23/26 02:07	50
Isopropylbenzene	**4.9**	**J**	25	4.0	ug/L			05/23/26 02:07	50
Methyl acetate	ND	^c	50	10	ug/L			05/23/26 02:07	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			05/23/26 02:07	50
Methylcyclohexane	ND		25	5.0	ug/L			05/23/26 02:07	50
Methylene Chloride	ND		25	10	ug/L			05/23/26 02:07	50
Styrene	ND		25	3.5	ug/L			05/23/26 02:07	50
Tetrachloroethene	ND		25	10	ug/L			05/23/26 02:07	50
Toluene	**48**		25	4.0	ug/L			05/23/26 02:07	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			05/23/26 02:07	50
trans-1,3-Dichloropropene	ND		25	4.0	ug/L			05/23/26 02:07	50
Trichloroethene	ND		25	4.0	ug/L			05/23/26 02:07	50
Trichlorofluoromethane	ND		25	5.0	ug/L			05/23/26 02:07	50
Vinyl chloride	ND		25	5.0	ug/L			05/23/26 02:07	50
Xylene (total)	**1500**		50	3.5	ug/L			05/23/26 02:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/23/26 02:07*	*50*

Client Sample ID: MW-12-DUP
Date Collected: 05/12/26 10:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/23/26 02:07*	*50*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/23/26 02:07*	*50*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 02:07*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2500**		250	50	ug/L			05/23/26 02:29	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 02:29*	*500*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/23/26 02:29*	*500*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 02:29*	*500*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/23/26 02:29*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4-Dimethylphenol	**19**		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 15:11	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Methylnaphthalene	**0.52**		0.18	0.060	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Methylphenol	**13**		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 15:11	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 15:11	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 15:11	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 15:11	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 15:11	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 15:11	1
Acenaphthene	**0.72**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 15:11	1
Acenaphthylene	**0.94**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 15:11	1
Acetophenone	**3.4**		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 15:11	1
Anthracene	**0.48**		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 15:11	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 15:11	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 15:11	1
Benzo[a]anthracene	**0.14**	**J**	0.18	0.072	ug/L		05/15/26 02:48	05/18/26 15:11	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 15:11	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 15:11	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 15:11	1

Client Sample ID: MW-12-DUP
Date Collected: 05/12/26 10:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 15:11	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 15:11	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 15:11	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 15:11	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 15:11	1
Caprolactam	ND		4.8	0.65	ug/L		05/15/26 02:48	05/18/26 15:11	1
Carbazole	**2.6**		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 15:11	1
Chrysene	**0.15**	**J**	0.18	0.078	ug/L		05/15/26 02:48	05/18/26 15:11	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 15:11	1
Dibenzofuran	**0.78**	**J**	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 15:11	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:11	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 15:11	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:11	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 15:11	1
Fluoranthene	**0.34**		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 15:11	1
Fluorene	**0.92**		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 15:11	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 15:11	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 15:11	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 15:11	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 15:11	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 15:11	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 15:11	1
Methylphenol, 3 & 4	**24**	***+**	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:11	1
Naphthalene	**30**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 15:11	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 15:11	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 15:11	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:11	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 15:11	1
Phenanthrene	**0.16**	**J**	0.18	0.15	ug/L		05/15/26 02:48	05/18/26 15:11	1
Phenol	**42**	**E**	0.96	0.47	ug/L		05/15/26 02:48	05/18/26 15:11	1
Pyrene	**0.31**		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*23 - 128*	*05/15/26 02:48*	*05/18/26 15:11*	*1*
2-Fluorobiphenyl	*48*		*20 - 105*	*05/15/26 02:48*	*05/18/26 15:11*	*1*
2-Fluorophenol (Surr)	*15*	*S1-*	*20 - 105*	*05/15/26 02:48*	*05/18/26 15:11*	*1*
Nitrobenzene-d5 (Surr)	*22*		*20 - 107*	*05/15/26 02:48*	*05/18/26 15:11*	*1*
Phenol-d5 (Surr)	*47*		*20 - 106*	*05/15/26 02:48*	*05/18/26 15:11*	*1*
Terphenyl-d14 (Surr)	*50*		*22 - 120*	*05/15/26 02:48*	*05/18/26 15:11*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		4.8	0.68	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,2'-oxybis[1-chloropropane]	ND		0.91	0.58	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4,5-Trichlorophenol	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4,6-Trichlorophenol	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4-Dichlorophenol	ND		0.91	0.25	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4-Dimethylphenol	**16**		4.8	2.8	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4-Dinitrophenol	ND		48	16	ug/L		05/15/26 02:48	05/18/26 21:21	5
2,4-Dinitrotoluene	ND		4.8	1.7	ug/L		05/15/26 02:48	05/18/26 21:21	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12-DUP
Date Collected: 05/12/26 10:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		4.8	0.83	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Chloronaphthalene	ND		0.91	0.28	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Chlorophenol	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Methylnaphthalene	**0.41**	**J**	0.91	0.30	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Methylphenol	**10**		4.8	2.7	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Nitroaniline	ND		24	2.6	ug/L		05/15/26 02:48	05/18/26 21:21	5
2-Nitrophenol	ND		4.8	0.93	ug/L		05/15/26 02:48	05/18/26 21:21	5
3,3'-Dichlorobenzidine	ND	*+	4.8	2.8	ug/L		05/15/26 02:48	05/18/26 21:21	5
3-Nitroaniline	ND		24	2.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
4,6-Dinitro-2-methylphenol	ND	*+	24	7.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Bromophenyl phenyl ether	ND		4.8	1.5	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Chloro-3-methylphenol	ND		4.8	2.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Chloroaniline	ND		4.8	1.8	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Chlorophenyl phenyl ether	ND		4.8	1.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Nitroaniline	ND		24	1.7	ug/L		05/15/26 02:48	05/18/26 21:21	5
4-Nitrophenol	ND		24	4.5	ug/L		05/15/26 02:48	05/18/26 21:21	5
Acenaphthene	**0.81**	**J**	0.91	0.31	ug/L		05/15/26 02:48	05/18/26 21:21	5
Acenaphthylene	**0.89**	**J**	0.91	0.31	ug/L		05/15/26 02:48	05/18/26 21:21	5
Acetophenone	**2.8**	**J**	4.8	0.76	ug/L		05/15/26 02:48	05/18/26 21:21	5
Anthracene	**0.47**	**J**	0.91	0.24	ug/L		05/15/26 02:48	05/18/26 21:21	5
Atrazine	ND		4.8	1.4	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzaldehyde	ND		4.8	2.6	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzo[a]anthracene	ND		0.91	0.36	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzo[a]pyrene	ND		0.91	0.62	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzo[b]fluoranthene	ND		0.91	0.47	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzo[g,h,i]perylene	ND		0.91	0.33	ug/L		05/15/26 02:48	05/18/26 21:21	5
Benzo[k]fluoranthene	ND		0.91	0.42	ug/L		05/15/26 02:48	05/18/26 21:21	5
Bis(2-chloroethoxy)methane	ND		4.8	0.73	ug/L		05/15/26 02:48	05/18/26 21:21	5
Bis(2-chloroethyl)ether	ND		0.91	0.67	ug/L		05/15/26 02:48	05/18/26 21:21	5
Bis(2-ethylhexyl) phthalate	ND		48	10	ug/L		05/15/26 02:48	05/18/26 21:21	5
Butyl benzyl phthalate	ND		9.6	4.5	ug/L		05/15/26 02:48	05/18/26 21:21	5
Caprolactam	ND		24	3.3	ug/L		05/15/26 02:48	05/18/26 21:21	5
Carbazole	**2.4**		0.91	0.25	ug/L		05/15/26 02:48	05/18/26 21:21	5
Chrysene	ND		0.91	0.39	ug/L		05/15/26 02:48	05/18/26 21:21	5
Dibenz(a,h)anthracene	ND		0.91	0.35	ug/L		05/15/26 02:48	05/18/26 21:21	5
Dibenzofuran	ND		4.8	0.91	ug/L		05/15/26 02:48	05/18/26 21:21	5
Diethyl phthalate	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 21:21	5
Dimethyl phthalate	ND		9.6	0.96	ug/L		05/15/26 02:48	05/18/26 21:21	5
Di-n-butyl phthalate	ND		4.8	1.8	ug/L		05/15/26 02:48	05/18/26 21:21	5
Di-n-octyl phthalate	ND		4.8	3.3	ug/L		05/15/26 02:48	05/18/26 21:21	5
Fluoranthene	**0.32**	**J**	0.91	0.29	ug/L		05/15/26 02:48	05/18/26 21:21	5
Fluorene	**0.94**		0.91	0.33	ug/L		05/15/26 02:48	05/18/26 21:21	5
Hexachlorobenzene	ND		0.91	0.27	ug/L		05/15/26 02:48	05/18/26 21:21	5
Hexachlorobutadiene	ND		0.91	0.75	ug/L		05/15/26 02:48	05/18/26 21:21	5
Hexachlorocyclopentadiene	ND		4.8	2.4	ug/L		05/15/26 02:48	05/18/26 21:21	5
Hexachloroethane	ND		4.8	1.5	ug/L		05/15/26 02:48	05/18/26 21:21	5
Indeno[1,2,3-cd]pyrene	ND		0.91	0.41	ug/L		05/15/26 02:48	05/18/26 21:21	5
Isophorone	ND	*+	4.8	0.90	ug/L		05/15/26 02:48	05/18/26 21:21	5
Methylphenol, 3 & 4	**19**	***+**	4.8	1.8	ug/L		05/15/26 02:48	05/18/26 21:21	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-12-DUP
Date Collected: 05/12/26 10:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**26**		0.91	0.28	ug/L		05/15/26 02:48	05/18/26 21:21	5
Nitrobenzene	ND	*+	9.6	2.4	ug/L		05/15/26 02:48	05/18/26 21:21	5
N-Nitrosodi-n-propylamine	ND	*+	0.91	0.34	ug/L		05/15/26 02:48	05/18/26 21:21	5
N-Nitrosodiphenylamine	ND		4.8	1.2	ug/L		05/15/26 02:48	05/18/26 21:21	5
Pentachlorophenol	ND		24	4.1	ug/L		05/15/26 02:48	05/18/26 21:21	5
Phenanthrene	ND		0.91	0.75	ug/L		05/15/26 02:48	05/18/26 21:21	5
Phenol	**36**		4.8	2.3	ug/L		05/15/26 02:48	05/18/26 21:21	5
Pyrene	ND		0.91	0.53	ug/L		05/15/26 02:48	05/18/26 21:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*23 - 128*	*05/15/26 02:48*	*05/18/26 21:21*	*5*
2-Fluorobiphenyl	*49*		*20 - 105*	*05/15/26 02:48*	*05/18/26 21:21*	*5*
2-Fluorophenol (Surr)	*15*	*S1-*	*20 - 105*	*05/15/26 02:48*	*05/18/26 21:21*	*5*
Nitrobenzene-d5 (Surr)	*18*	*S1-*	*20 - 107*	*05/15/26 02:48*	*05/18/26 21:21*	*5*
Phenol-d5 (Surr)	*39*		*20 - 106*	*05/15/26 02:48*	*05/18/26 21:21*	*5*
Terphenyl-d14 (Surr)	*45*		*22 - 120*	*05/15/26 02:48*	*05/18/26 21:21*	*5*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-16
Date Collected: 05/12/26 11:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			05/23/26 03:35	500
1,1,2,2-Tetrachloroethane	ND	^c	250	50	ug/L			05/23/26 03:35	500
1,1,2-Trichloroethane	ND		250	40	ug/L			05/23/26 03:35	500
1,1-Dichloroethane	ND		250	50	ug/L			05/23/26 03:35	500
1,1-Dichloroethene	ND		250	50	ug/L			05/23/26 03:35	500
1,2,4-Trichlorobenzene	ND		250	35	ug/L			05/23/26 03:35	500
1,2-Dibromo-3-Chloropropane	ND		250	50	ug/L			05/23/26 03:35	500
1,2-Dibromoethane	ND		250	40	ug/L			05/23/26 03:35	500
1,2-Dichlorobenzene	ND		250	35	ug/L			05/23/26 03:35	500
1,2-Dichloroethane	ND		250	35	ug/L			05/23/26 03:35	500
1,2-Dichloropropane	ND		250	50	ug/L			05/23/26 03:35	500
1,3-Dichlorobenzene	ND		250	35	ug/L			05/23/26 03:35	500
1,4-Dichlorobenzene	ND		250	35	ug/L			05/23/26 03:35	500
2-Butanone	ND		2500	500	ug/L			05/23/26 03:35	500
2-Hexanone	ND		2500	1000	ug/L			05/23/26 03:35	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			05/23/26 03:35	500
Acetone	ND		2500	750	ug/L			05/23/26 03:35	500
Benzene	**10000**		250	50	ug/L			05/23/26 03:35	500
Bromodichloromethane	ND		250	40	ug/L			05/23/26 03:35	500
Bromoform	ND		500	150	ug/L			05/23/26 03:35	500
Bromomethane	ND		250	50	ug/L			05/23/26 03:35	500
Carbon disulfide	ND		500	50	ug/L			05/23/26 03:35	500
Carbon tetrachloride	ND		250	50	ug/L			05/23/26 03:35	500
Chlorobenzene	ND		250	35	ug/L			05/23/26 03:35	500
Chloroethane	ND		250	50	ug/L			05/23/26 03:35	500
Chloroform	ND		250	45	ug/L			05/23/26 03:35	500
Chloromethane	ND		250	50	ug/L			05/23/26 03:35	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			05/23/26 03:35	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			05/23/26 03:35	500
Cyclohexane	ND		250	50	ug/L			05/23/26 03:35	500
Dibromochloromethane	ND		250	40	ug/L			05/23/26 03:35	500
Dichlorodifluoromethane	ND		250	50	ug/L			05/23/26 03:35	500
Ethylbenzene	ND		250	40	ug/L			05/23/26 03:35	500
Freon 113	ND		250	40	ug/L			05/23/26 03:35	500
Isopropylbenzene	ND		250	40	ug/L			05/23/26 03:35	500
Methyl acetate	ND	^c	500	100	ug/L			05/23/26 03:35	500
Methyl tertiary butyl ether	ND		250	40	ug/L			05/23/26 03:35	500
Methylcyclohexane	ND		250	50	ug/L			05/23/26 03:35	500
Methylene Chloride	ND		250	100	ug/L			05/23/26 03:35	500
Styrene	ND		250	35	ug/L			05/23/26 03:35	500
Tetrachloroethene	ND		250	100	ug/L			05/23/26 03:35	500
Toluene	**58**	**J**	250	40	ug/L			05/23/26 03:35	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			05/23/26 03:35	500
trans-1,3-Dichloropropene	ND		250	40	ug/L			05/23/26 03:35	500
Trichloroethene	ND		250	40	ug/L			05/23/26 03:35	500
Trichlorofluoromethane	ND		250	50	ug/L			05/23/26 03:35	500
Vinyl chloride	ND		250	50	ug/L			05/23/26 03:35	500
Xylene (total)	**180**	**J**	500	35	ug/L			05/23/26 03:35	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-16
Date Collected: 05/12/26 11:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/23/26 03:35*	*500*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/23/26 03:35*	*500*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/23/26 03:35*	*500*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 03:35*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**7.7**	**J**	9.6	1.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,2'-oxybis[1-chloropropane]	ND		1.8	1.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4,5-Trichlorophenol	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4,6-Trichlorophenol	ND		9.6	2.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4-Dichlorophenol	ND		1.8	0.49	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4-Dimethylphenol	**42**		9.6	5.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4-Dinitrophenol	ND		96	31	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,4-Dinitrotoluene	ND		9.6	3.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
2,6-Dinitrotoluene	ND		9.6	1.7	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Chloronaphthalene	ND		1.8	0.57	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Chlorophenol	ND		9.6	2.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Methylnaphthalene	**16**		1.8	0.60	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Methylphenol	**52**		9.6	5.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Nitroaniline	ND		48	5.3	ug/L		05/15/26 02:48	05/18/26 15:34	10
2-Nitrophenol	ND		9.6	1.9	ug/L		05/15/26 02:48	05/18/26 15:34	10
3,3'-Dichlorobenzidine	ND	*+	9.6	5.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
3-Nitroaniline	ND		48	4.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
4,6-Dinitro-2-methylphenol	ND	*+	48	14	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Bromophenyl phenyl ether	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Chloro-3-methylphenol	ND		9.6	4.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Chloroaniline	ND		9.6	3.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Chlorophenyl phenyl ether	ND		9.6	2.1	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Nitroaniline	ND		48	3.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
4-Nitrophenol	ND		48	9.0	ug/L		05/15/26 02:48	05/18/26 15:34	10
Acenaphthene	**54**		1.8	0.63	ug/L		05/15/26 02:48	05/18/26 15:34	10
Acenaphthylene	**2.5**		1.8	0.63	ug/L		05/15/26 02:48	05/18/26 15:34	10
Acetophenone	ND		9.6	1.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
Anthracene	**3.8**		1.8	0.47	ug/L		05/15/26 02:48	05/18/26 15:34	10
Atrazine	ND		9.6	2.8	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzaldehyde	ND		9.6	5.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzo[a]anthracene	**0.76**	**J**	1.8	0.72	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzo[a]pyrene	ND		1.8	1.2	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzo[b]fluoranthene	ND		1.8	0.93	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzo[g,h,i]perylene	ND		1.8	0.66	ug/L		05/15/26 02:48	05/18/26 15:34	10
Benzo[k]fluoranthene	ND		1.8	0.85	ug/L		05/15/26 02:48	05/18/26 15:34	10
Bis(2-chloroethoxy)methane	ND		9.6	1.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
Bis(2-chloroethyl)ether	ND		1.8	1.3	ug/L		05/15/26 02:48	05/18/26 15:34	10
Bis(2-ethylhexyl) phthalate	ND		96	20	ug/L		05/15/26 02:48	05/18/26 15:34	10
Butyl benzyl phthalate	ND		19	9.0	ug/L		05/15/26 02:48	05/18/26 15:34	10
Caprolactam	ND		48	6.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
Carbazole	**30**		1.8	0.49	ug/L		05/15/26 02:48	05/18/26 15:34	10
Chrysene	ND		1.8	0.78	ug/L		05/15/26 02:48	05/18/26 15:34	10
Dibenz(a,h)anthracene	ND		1.8	0.69	ug/L		05/15/26 02:48	05/18/26 15:34	10

Client Sample ID: MW-16
Date Collected: 05/12/26 11:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**26**		9.6	1.8	ug/L		05/15/26 02:48	05/18/26 15:34	10
Diethyl phthalate	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
Dimethyl phthalate	ND		19	1.9	ug/L		05/15/26 02:48	05/18/26 15:34	10
Di-n-butyl phthalate	ND		9.6	3.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
Di-n-octyl phthalate	ND		9.6	6.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
Fluoranthene	**8.5**		1.8	0.58	ug/L		05/15/26 02:48	05/18/26 15:34	10
Fluorene	**30**		1.8	0.66	ug/L		05/15/26 02:48	05/18/26 15:34	10
Hexachlorobenzene	ND		1.8	0.54	ug/L		05/15/26 02:48	05/18/26 15:34	10
Hexachlorobutadiene	ND		1.8	1.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
Hexachlorocyclopentadiene	ND		9.6	4.8	ug/L		05/15/26 02:48	05/18/26 15:34	10
Hexachloroethane	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 15:34	10
Indeno[1,2,3-cd]pyrene	ND		1.8	0.82	ug/L		05/15/26 02:48	05/18/26 15:34	10
Isophorone	ND	*+	9.6	1.8	ug/L		05/15/26 02:48	05/18/26 15:34	10
Methylphenol, 3 & 4	**22**	*+	9.6	3.6	ug/L		05/15/26 02:48	05/18/26 15:34	10
Naphthalene	**630**	E	1.8	0.57	ug/L		05/15/26 02:48	05/18/26 15:34	10
Nitrobenzene	ND	*+	19	4.8	ug/L		05/15/26 02:48	05/18/26 15:34	10
N-Nitrosodi-n-propylamine	ND	*+	1.8	0.68	ug/L		05/15/26 02:48	05/18/26 15:34	10
N-Nitrosodiphenylamine	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 15:34	10
Pentachlorophenol	ND		48	8.1	ug/L		05/15/26 02:48	05/18/26 15:34	10
Phenanthrene	**31**		1.8	1.5	ug/L		05/15/26 02:48	05/18/26 15:34	10
Phenol	**95**		9.6	4.7	ug/L		05/15/26 02:48	05/18/26 15:34	10
Pyrene	**5.0**		1.8	1.1	ug/L		05/15/26 02:48	05/18/26 15:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*23 - 128*	*05/15/26 02:48*	*05/18/26 15:34*	*10*
2-Fluorobiphenyl	*56*		*20 - 105*	*05/15/26 02:48*	*05/18/26 15:34*	*10*
2-Fluorophenol (Surr)	*34*		*20 - 105*	*05/15/26 02:48*	*05/18/26 15:34*	*10*
Nitrobenzene-d5 (Surr)	*49*		*20 - 107*	*05/15/26 02:48*	*05/18/26 15:34*	*10*
Phenol-d5 (Surr)	*54*		*20 - 106*	*05/15/26 02:48*	*05/18/26 15:34*	*10*
Terphenyl-d14 (Surr)	*57*		*22 - 120*	*05/15/26 02:48*	*05/18/26 15:34*	*10*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**7.4**	J	38	5.5	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,2'-oxybis[1-chloropropane]	ND		7.3	4.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4,5-Trichlorophenol	ND		38	9.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4,6-Trichlorophenol	ND		38	8.6	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4-Dichlorophenol	ND		7.3	2.0	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4-Dimethylphenol	**33**	J	38	23	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4-Dinitrophenol	ND		380	130	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,4-Dinitrotoluene	ND		38	14	ug/L		05/15/26 02:48	05/18/26 21:43	40
2,6-Dinitrotoluene	ND		38	6.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Chloronaphthalene	ND		7.3	2.3	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Chlorophenol	ND		38	8.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Methylnaphthalene	**12**		7.3	2.4	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Methylphenol	**40**		38	21	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Nitroaniline	ND		190	21	ug/L		05/15/26 02:48	05/18/26 21:43	40
2-Nitrophenol	ND		38	7.4	ug/L		05/15/26 02:48	05/18/26 21:43	40
3,3'-Dichlorobenzidine	ND	*+	38	22	ug/L		05/15/26 02:48	05/18/26 21:43	40
3-Nitroaniline	ND		190	17	ug/L		05/15/26 02:48	05/18/26 21:43	40

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-16
Date Collected: 05/12/26 11:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	*+	190	57	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Bromophenyl phenyl ether	ND		38	12	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Chloro-3-methylphenol	ND		38	17	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Chloroaniline	ND		38	14	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Chlorophenyl phenyl ether	ND		38	8.5	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Nitroaniline	ND		190	14	ug/L		05/15/26 02:48	05/18/26 21:43	40
4-Nitrophenol	ND		190	36	ug/L		05/15/26 02:48	05/18/26 21:43	40
Acenaphthene	**52**		7.3	2.5	ug/L		05/15/26 02:48	05/18/26 21:43	40
Acenaphthylene	ND		7.3	2.5	ug/L		05/15/26 02:48	05/18/26 21:43	40
Acetophenone	ND		38	6.1	ug/L		05/15/26 02:48	05/18/26 21:43	40
Anthracene	**3.7**	**J**	7.3	1.9	ug/L		05/15/26 02:48	05/18/26 21:43	40
Atrazine	ND		38	11	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzaldehyde	ND		38	21	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzo[a]anthracene	ND		7.3	2.9	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzo[a]pyrene	ND		7.3	4.9	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzo[b]fluoranthene	ND		7.3	3.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzo[g,h,i]perylene	ND		7.3	2.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
Benzo[k]fluoranthene	ND		7.3	3.4	ug/L		05/15/26 02:48	05/18/26 21:43	40
Bis(2-chloroethoxy)methane	ND		38	5.8	ug/L		05/15/26 02:48	05/18/26 21:43	40
Bis(2-chloroethyl)ether	ND		7.3	5.4	ug/L		05/15/26 02:48	05/18/26 21:43	40
Bis(2-ethylhexyl) phthalate	ND		380	80	ug/L		05/15/26 02:48	05/18/26 21:43	40
Butyl benzyl phthalate	ND		77	36	ug/L		05/15/26 02:48	05/18/26 21:43	40
Caprolactam	ND		190	26	ug/L		05/15/26 02:48	05/18/26 21:43	40
Carbazole	**29**		7.3	2.0	ug/L		05/15/26 02:48	05/18/26 21:43	40
Chrysene	ND		7.3	3.1	ug/L		05/15/26 02:48	05/18/26 21:43	40
Dibenz(a,h)anthracene	ND		7.3	2.8	ug/L		05/15/26 02:48	05/18/26 21:43	40
Dibenzofuran	**25**	**J**	38	7.3	ug/L		05/15/26 02:48	05/18/26 21:43	40
Diethyl phthalate	ND		38	9.6	ug/L		05/15/26 02:48	05/18/26 21:43	40
Dimethyl phthalate	ND		77	7.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
Di-n-butyl phthalate	ND		38	15	ug/L		05/15/26 02:48	05/18/26 21:43	40
Di-n-octyl phthalate	ND		38	26	ug/L		05/15/26 02:48	05/18/26 21:43	40
Fluoranthene	**8.3**		7.3	2.3	ug/L		05/15/26 02:48	05/18/26 21:43	40
Fluorene	**29**		7.3	2.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
Hexachlorobenzene	ND		7.3	2.2	ug/L		05/15/26 02:48	05/18/26 21:43	40
Hexachlorobutadiene	ND		7.3	6.0	ug/L		05/15/26 02:48	05/18/26 21:43	40
Hexachlorocyclopentadiene	ND		38	19	ug/L		05/15/26 02:48	05/18/26 21:43	40
Hexachloroethane	ND		38	12	ug/L		05/15/26 02:48	05/18/26 21:43	40
Indeno[1,2,3-cd]pyrene	ND		7.3	3.3	ug/L		05/15/26 02:48	05/18/26 21:43	40
Isophorone	ND	*+	38	7.2	ug/L		05/15/26 02:48	05/18/26 21:43	40
Methylphenol, 3 & 4	**16**	**J *+**	38	14	ug/L		05/15/26 02:48	05/18/26 21:43	40
Naphthalene	**520**		7.3	2.3	ug/L		05/15/26 02:48	05/18/26 21:43	40
Nitrobenzene	ND	*+	77	19	ug/L		05/15/26 02:48	05/18/26 21:43	40
N-Nitrosodi-n-propylamine	ND	*+	7.3	2.7	ug/L		05/15/26 02:48	05/18/26 21:43	40
N-Nitrosodiphenylamine	ND		38	9.6	ug/L		05/15/26 02:48	05/18/26 21:43	40
Pentachlorophenol	ND		190	33	ug/L		05/15/26 02:48	05/18/26 21:43	40
Phenanthrene	**32**		7.3	6.0	ug/L		05/15/26 02:48	05/18/26 21:43	40
Phenol	**77**		38	19	ug/L		05/15/26 02:48	05/18/26 21:43	40
Pyrene	ND		7.3	4.3	ug/L		05/15/26 02:48	05/18/26 21:43	40

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-16
Date Collected: 05/12/26 11:50
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	S1- D	23 - 128	05/15/26 02:48	05/18/26 21:43	40
2-Fluorobiphenyl	0	S1- D	20 - 105	05/15/26 02:48	05/18/26 21:43	40
2-Fluorophenol (Surr)	0	S1- D	20 - 105	05/15/26 02:48	05/18/26 21:43	40
Nitrobenzene-d5 (Surr)	0	S1- D	20 - 107	05/15/26 02:48	05/18/26 21:43	40
Phenol-d5 (Surr)	0	S1- D	20 - 106	05/15/26 02:48	05/18/26 21:43	40
Terphenyl-d14 (Surr)	0	S1- D	22 - 120	05/15/26 02:48	05/18/26 21:43	40

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-2
Date Collected: 05/12/26 15:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	8.0	ug/L			05/26/26 16:12	100
1,1,2,2-Tetrachloroethane	ND	^c	50	10	ug/L			05/26/26 16:12	100
1,1,2-Trichloroethane	ND		50	8.0	ug/L			05/26/26 16:12	100
1,1-Dichloroethane	ND		50	10	ug/L			05/26/26 16:12	100
1,1-Dichloroethene	ND		50	10	ug/L			05/26/26 16:12	100
1,2,4-Trichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:12	100
1,2-Dibromo-3-Chloropropane	ND	^c	50	10	ug/L			05/26/26 16:12	100
1,2-Dibromoethane	ND		50	8.0	ug/L			05/26/26 16:12	100
1,2-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:12	100
1,2-Dichloroethane	ND		50	7.0	ug/L			05/26/26 16:12	100
1,2-Dichloropropane	ND		50	10	ug/L			05/26/26 16:12	100
1,3-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:12	100
1,4-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:12	100
2-Butanone	ND		500	100	ug/L			05/26/26 16:12	100
2-Hexanone	ND		500	200	ug/L			05/26/26 16:12	100
4-Methyl-2-pentanone	ND		500	100	ug/L			05/26/26 16:12	100
Acetone	ND		500	150	ug/L			05/26/26 16:12	100
Bromodichloromethane	ND		50	8.0	ug/L			05/26/26 16:12	100
Bromoform	ND		100	30	ug/L			05/26/26 16:12	100
Bromomethane	ND		50	10	ug/L			05/26/26 16:12	100
Carbon disulfide	ND		100	10	ug/L			05/26/26 16:12	100
Carbon tetrachloride	ND		50	10	ug/L			05/26/26 16:12	100
Chlorobenzene	ND		50	7.0	ug/L			05/26/26 16:12	100
Chloroethane	ND		50	10	ug/L			05/26/26 16:12	100
Chloroform	ND		50	9.0	ug/L			05/26/26 16:12	100
Chloromethane	ND		50	10	ug/L			05/26/26 16:12	100
cis-1,2-Dichloroethene	ND		50	8.0	ug/L			05/26/26 16:12	100
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/26/26 16:12	100
Cyclohexane	ND		50	10	ug/L			05/26/26 16:12	100
Dibromochloromethane	ND		50	8.0	ug/L			05/26/26 16:12	100
Dichlorodifluoromethane	ND		50	10	ug/L			05/26/26 16:12	100
Ethylbenzene	**34**	**J**	50	8.0	ug/L			05/26/26 16:12	100
Freon 113	ND		50	8.0	ug/L			05/26/26 16:12	100
Isopropylbenzene	ND		50	8.0	ug/L			05/26/26 16:12	100
Methyl acetate	ND		100	20	ug/L			05/26/26 16:12	100
Methyl tertiary butyl ether	ND		50	8.0	ug/L			05/26/26 16:12	100
Methylcyclohexane	ND		50	10	ug/L			05/26/26 16:12	100
Methylene Chloride	ND		50	20	ug/L			05/26/26 16:12	100
Styrene	ND		50	7.0	ug/L			05/26/26 16:12	100
Tetrachloroethene	ND		50	20	ug/L			05/26/26 16:12	100
Toluene	ND		50	8.0	ug/L			05/26/26 16:12	100
trans-1,2-Dichloroethene	ND		50	10	ug/L			05/26/26 16:12	100
trans-1,3-Dichloropropene	ND	^c	50	8.0	ug/L			05/26/26 16:12	100
Trichloroethene	ND		50	8.0	ug/L			05/26/26 16:12	100
Trichlorofluoromethane	ND	^c	50	10	ug/L			05/26/26 16:12	100
Vinyl chloride	ND		50	10	ug/L			05/26/26 16:12	100
Xylene (total)	ND		100	7.0	ug/L			05/26/26 16:12	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/26/26 16:12*	*100*

Client Sample ID: MW-2

Lab Sample ID: 180-205320-5

Date Collected: 05/12/26 15:10

Matrix: Water

Date Received: 05/13/26 09:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/26/26 16:12*	*100*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/26/26 16:12*	*100*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/26/26 16:12*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12000**		250	50	ug/L			05/23/26 04:19	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 04:19*	*500*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/23/26 04:19*	*500*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/23/26 04:19*	*500*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/23/26 04:19*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4-Dimethylphenol	**2.0**		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 15:56	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 15:56	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 15:56	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 15:56	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 15:56	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 15:56	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 15:56	1
Acenaphthene	**50**	**E**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 15:56	1
Acenaphthylene	**0.20**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 15:56	1
Acetophenone	**0.19**	**J**	0.96	0.15	ug/L		05/15/26 02:48	05/18/26 15:56	1
Anthracene	**1.4**		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 15:56	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 15:56	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 15:56	1
Benzo[a]anthracene	**0.17**	**J**	0.18	0.072	ug/L		05/15/26 02:48	05/18/26 15:56	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 15:56	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 15:56	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 15:56	1

Client Sample ID: MW-2
Date Collected: 05/12/26 15:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 15:56	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 15:56	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 15:56	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 15:56	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 15:56	1
Caprolactam	ND		4.8	0.65	ug/L		05/15/26 02:48	05/18/26 15:56	1
Carbazole	**46**	**E**	0.18	0.049	ug/L		05/15/26 02:48	05/18/26 15:56	1
Chrysene	**0.12**	**J**	0.18	0.078	ug/L		05/15/26 02:48	05/18/26 15:56	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 15:56	1
Dibenzofuran	**28**		0.96	0.18	ug/L		05/15/26 02:48	05/18/26 15:56	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:56	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 15:56	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:56	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 15:56	1
Fluoranthene	**3.4**		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 15:56	1
Fluorene	**35**		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 15:56	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 15:56	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 15:56	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 15:56	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 15:56	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 15:56	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 15:56	1
Methylphenol, 3 & 4	ND	*+	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 15:56	1
Naphthalene	**0.53**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 15:56	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 15:56	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 15:56	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 15:56	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 15:56	1
Phenanthrene	**23**		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 15:56	1
Phenol	**25**		0.96	0.47	ug/L		05/15/26 02:48	05/18/26 15:56	1
Pyrene	**2.0**		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*35*		*23 - 128*	*05/15/26 02:48*	*05/18/26 15:56*	*1*
2-Fluorobiphenyl	*25*		*20 - 105*	*05/15/26 02:48*	*05/18/26 15:56*	*1*
2-Fluorophenol (Surr)	*2*	*S1-*	*20 - 105*	*05/15/26 02:48*	*05/18/26 15:56*	*1*
Nitrobenzene-d5 (Surr)	*8*	*S1-*	*20 - 107*	*05/15/26 02:48*	*05/18/26 15:56*	*1*
Phenol-d5 (Surr)	*18*	*S1-*	*20 - 106*	*05/15/26 02:48*	*05/18/26 15:56*	*1*
Terphenyl-d14 (Surr)	*34*		*22 - 120*	*05/15/26 02:48*	*05/18/26 15:56*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		14	2.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,2'-oxybis[1-chloropropane]	ND		2.7	1.7	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4,5-Trichlorophenol	ND		14	3.6	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4,6-Trichlorophenol	ND		14	3.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4-Dichlorophenol	ND		2.7	0.74	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4-Dimethylphenol	ND		14	8.4	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4-Dinitrophenol	ND		140	47	ug/L		05/15/26 02:48	05/18/26 22:06	15
2,4-Dinitrotoluene	ND		14	5.1	ug/L		05/15/26 02:48	05/18/26 22:06	15

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-2
Date Collected: 05/12/26 15:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		14	2.5	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Chloronaphthalene	ND		2.7	0.85	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Chlorophenol	ND		14	3.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Methylnaphthalene	ND		2.7	0.89	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Methylphenol	ND		14	8.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Nitroaniline	ND		72	7.9	ug/L		05/15/26 02:48	05/18/26 22:06	15
2-Nitrophenol	ND		14	2.8	ug/L		05/15/26 02:48	05/18/26 22:06	15
3,3'-Dichlorobenzidine	ND	*+	14	8.4	ug/L		05/15/26 02:48	05/18/26 22:06	15
3-Nitroaniline	ND		72	6.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
4,6-Dinitro-2-methylphenol	ND	*+	72	21	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Bromophenyl phenyl ether	ND		14	4.6	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Chloro-3-methylphenol	ND		14	6.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Chloroaniline	ND		14	5.4	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Chlorophenyl phenyl ether	ND		14	3.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Nitroaniline	ND		72	5.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
4-Nitrophenol	ND		72	14	ug/L		05/15/26 02:48	05/18/26 22:06	15
Acenaphthene	**77**		2.7	0.94	ug/L		05/15/26 02:48	05/18/26 22:06	15
Acenaphthylene	ND		2.7	0.94	ug/L		05/15/26 02:48	05/18/26 22:06	15
Acetophenone	ND		14	2.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
Anthracene	**2.4**	**J**	2.7	0.71	ug/L		05/15/26 02:48	05/18/26 22:06	15
Atrazine	ND		14	4.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzaldehyde	ND		14	7.8	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzo[a]anthracene	ND		2.7	1.1	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzo[a]pyrene	ND		2.7	1.8	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzo[b]fluoranthene	ND		2.7	1.4	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzo[g,h,i]perylene	ND		2.7	1.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
Benzo[k]fluoranthene	ND		2.7	1.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
Bis(2-chloroethoxy)methane	ND		14	2.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
Bis(2-chloroethyl)ether	ND		2.7	2.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
Bis(2-ethylhexyl) phthalate	ND		140	30	ug/L		05/15/26 02:48	05/18/26 22:06	15
Butyl benzyl phthalate	ND		29	14	ug/L		05/15/26 02:48	05/18/26 22:06	15
Caprolactam	ND		72	9.8	ug/L		05/15/26 02:48	05/18/26 22:06	15
Carbazole	**67**		2.7	0.74	ug/L		05/15/26 02:48	05/18/26 22:06	15
Chrysene	ND		2.7	1.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
Dibenz(a,h)anthracene	ND		2.7	1.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
Dibenzofuran	**43**		14	2.7	ug/L		05/15/26 02:48	05/18/26 22:06	15
Diethyl phthalate	ND		14	3.6	ug/L		05/15/26 02:48	05/18/26 22:06	15
Dimethyl phthalate	ND		29	2.9	ug/L		05/15/26 02:48	05/18/26 22:06	15
Di-n-butyl phthalate	ND		14	5.4	ug/L		05/15/26 02:48	05/18/26 22:06	15
Di-n-octyl phthalate	ND		14	9.9	ug/L		05/15/26 02:48	05/18/26 22:06	15
Fluoranthene	**5.7**		2.7	0.87	ug/L		05/15/26 02:48	05/18/26 22:06	15
Fluorene	**54**		2.7	1.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
Hexachlorobenzene	ND		2.7	0.81	ug/L		05/15/26 02:48	05/18/26 22:06	15
Hexachlorobutadiene	ND		2.7	2.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
Hexachlorocyclopentadiene	ND		14	7.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
Hexachloroethane	ND		14	4.6	ug/L		05/15/26 02:48	05/18/26 22:06	15
Indeno[1,2,3-cd]pyrene	ND		2.7	1.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
Isophorone	ND	*+	14	2.7	ug/L		05/15/26 02:48	05/18/26 22:06	15
Methylphenol, 3 & 4	ND	*+	14	5.4	ug/L		05/15/26 02:48	05/18/26 22:06	15

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-2
Date Collected: 05/12/26 15:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.7	0.85	ug/L		05/15/26 02:48	05/18/26 22:06	15
Nitrobenzene	ND	*+	29	7.2	ug/L		05/15/26 02:48	05/18/26 22:06	15
N-Nitrosodi-n-propylamine	ND	*+	2.7	1.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
N-Nitrosodiphenylamine	ND		14	3.6	ug/L		05/15/26 02:48	05/18/26 22:06	15
Pentachlorophenol	ND		72	12	ug/L		05/15/26 02:48	05/18/26 22:06	15
Phenanthrene	**38**		2.7	2.3	ug/L		05/15/26 02:48	05/18/26 22:06	15
Phenol	**33**		14	7.0	ug/L		05/15/26 02:48	05/18/26 22:06	15
Pyrene	**2.8**		2.7	1.6	ug/L		05/15/26 02:48	05/18/26 22:06	15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*23 - 128*	*05/15/26 02:48*	*05/18/26 22:06*	*15*
2-Fluorobiphenyl	*42*		*20 - 105*	*05/15/26 02:48*	*05/18/26 22:06*	*15*
2-Fluorophenol (Surr)	*0*	*S1-*	*20 - 105*	*05/15/26 02:48*	*05/18/26 22:06*	*15*
Nitrobenzene-d5 (Surr)	*10*	*S1-*	*20 - 107*	*05/15/26 02:48*	*05/18/26 22:06*	*15*
Phenol-d5 (Surr)	*23*		*20 - 106*	*05/15/26 02:48*	*05/18/26 22:06*	*15*
Terphenyl-d14 (Surr)	*51*		*22 - 120*	*05/15/26 02:48*	*05/18/26 22:06*	*15*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-2-DUP
Date Collected: 05/12/26 15:20
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	8.0	ug/L			05/26/26 16:35	100
1,1,2,2-Tetrachloroethane	ND	^c	50	10	ug/L			05/26/26 16:35	100
1,1,2-Trichloroethane	ND		50	8.0	ug/L			05/26/26 16:35	100
1,1-Dichloroethane	ND		50	10	ug/L			05/26/26 16:35	100
1,1-Dichloroethene	ND		50	10	ug/L			05/26/26 16:35	100
1,2,4-Trichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:35	100
1,2-Dibromo-3-Chloropropane	ND	^c	50	10	ug/L			05/26/26 16:35	100
1,2-Dibromoethane	ND		50	8.0	ug/L			05/26/26 16:35	100
1,2-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:35	100
1,2-Dichloroethane	ND		50	7.0	ug/L			05/26/26 16:35	100
1,2-Dichloropropane	ND		50	10	ug/L			05/26/26 16:35	100
1,3-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:35	100
1,4-Dichlorobenzene	ND		50	7.0	ug/L			05/26/26 16:35	100
2-Butanone	ND		500	100	ug/L			05/26/26 16:35	100
2-Hexanone	ND		500	200	ug/L			05/26/26 16:35	100
4-Methyl-2-pentanone	ND		500	100	ug/L			05/26/26 16:35	100
Acetone	**210**	**J**	500	150	ug/L			05/26/26 16:35	100
Bromodichloromethane	ND		50	8.0	ug/L			05/26/26 16:35	100
Bromoform	ND		100	30	ug/L			05/26/26 16:35	100
Bromomethane	ND		50	10	ug/L			05/26/26 16:35	100
Carbon disulfide	ND		100	10	ug/L			05/26/26 16:35	100
Carbon tetrachloride	ND		50	10	ug/L			05/26/26 16:35	100
Chlorobenzene	ND		50	7.0	ug/L			05/26/26 16:35	100
Chloroethane	ND		50	10	ug/L			05/26/26 16:35	100
Chloroform	ND		50	9.0	ug/L			05/26/26 16:35	100
Chloromethane	ND		50	10	ug/L			05/26/26 16:35	100
cis-1,2-Dichloroethene	ND		50	8.0	ug/L			05/26/26 16:35	100
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/26/26 16:35	100
Cyclohexane	ND		50	10	ug/L			05/26/26 16:35	100
Dibromochloromethane	ND		50	8.0	ug/L			05/26/26 16:35	100
Dichlorodifluoromethane	ND		50	10	ug/L			05/26/26 16:35	100
Ethylbenzene	**35**	**J**	50	8.0	ug/L			05/26/26 16:35	100
Freon 113	ND		50	8.0	ug/L			05/26/26 16:35	100
Isopropylbenzene	ND		50	8.0	ug/L			05/26/26 16:35	100
Methyl acetate	ND		100	20	ug/L			05/26/26 16:35	100
Methyl tertiary butyl ether	ND		50	8.0	ug/L			05/26/26 16:35	100
Methylcyclohexane	ND		50	10	ug/L			05/26/26 16:35	100
Methylene Chloride	ND		50	20	ug/L			05/26/26 16:35	100
Styrene	ND		50	7.0	ug/L			05/26/26 16:35	100
Tetrachloroethene	ND		50	20	ug/L			05/26/26 16:35	100
Toluene	ND		50	8.0	ug/L			05/26/26 16:35	100
trans-1,2-Dichloroethene	ND		50	10	ug/L			05/26/26 16:35	100
trans-1,3-Dichloropropene	ND	^c	50	8.0	ug/L			05/26/26 16:35	100
Trichloroethene	ND		50	8.0	ug/L			05/26/26 16:35	100
Trichlorofluoromethane	ND	^c	50	10	ug/L			05/26/26 16:35	100
Vinyl chloride	ND		50	10	ug/L			05/26/26 16:35	100
Xylene (total)	ND		100	7.0	ug/L			05/26/26 16:35	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/26/26 16:35*	*100*

Client Sample ID: MW-2-DUP

Date Collected: 05/12/26 15:20
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*05/26/26 16:35*	*100*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/26/26 16:35*	*100*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/26/26 16:35*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12000**		250	50	ug/L			05/23/26 05:04	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 05:04*	*500*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/23/26 05:04*	*500*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/23/26 05:04*	*500*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 05:04*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		9.6	1.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,2'-oxybis[1-chloropropane]	ND		1.8	1.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4,5-Trichlorophenol	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4,6-Trichlorophenol	ND		9.6	2.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4-Dichlorophenol	ND		1.8	0.49	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4-Dimethylphenol	ND		9.6	5.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4-Dinitrophenol	ND		96	31	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,4-Dinitrotoluene	ND		9.6	3.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
2,6-Dinitrotoluene	ND		9.6	1.7	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Chloronaphthalene	ND		1.8	0.57	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Chlorophenol	ND		9.6	2.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Methylnaphthalene	ND		1.8	0.60	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Methylphenol	ND		9.6	5.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Nitroaniline	ND		48	5.3	ug/L		05/15/26 02:48	05/18/26 16:18	10
2-Nitrophenol	ND		9.6	1.9	ug/L		05/15/26 02:48	05/18/26 16:18	10
3,3'-Dichlorobenzidine	ND	*+	9.6	5.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
3-Nitroaniline	ND		48	4.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
4,6-Dinitro-2-methylphenol	ND	*+	48	14	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Bromophenyl phenyl ether	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Chloro-3-methylphenol	ND		9.6	4.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Chloroaniline	ND		9.6	3.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Chlorophenyl phenyl ether	ND		9.6	2.1	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Nitroaniline	ND		48	3.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
4-Nitrophenol	ND		48	9.0	ug/L		05/15/26 02:48	05/18/26 16:18	10
Acenaphthene	**120**		1.8	0.63	ug/L		05/15/26 02:48	05/18/26 16:18	10
Acenaphthylene	ND		1.8	0.63	ug/L		05/15/26 02:48	05/18/26 16:18	10
Acetophenone	ND		9.6	1.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
Anthracene	**3.3**		1.8	0.47	ug/L		05/15/26 02:48	05/18/26 16:18	10
Atrazine	ND		9.6	2.8	ug/L		05/15/26 02:48	05/18/26 16:18	10
Benzaldehyde	ND		9.6	5.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
Benzo[a]anthracene	ND		1.8	0.72	ug/L		05/15/26 02:48	05/18/26 16:18	10
Benzo[a]pyrene	ND		1.8	1.2	ug/L		05/15/26 02:48	05/18/26 16:18	10
Benzo[b]fluoranthene	ND		1.8	0.93	ug/L		05/15/26 02:48	05/18/26 16:18	10
Benzo[g,h,i]perylene	ND		1.8	0.66	ug/L		05/15/26 02:48	05/18/26 16:18	10

Client Sample ID: MW-2-DUP
Date Collected: 05/12/26 15:20
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-6
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		1.8	0.85	ug/L		05/15/26 02:48	05/18/26 16:18	10
Bis(2-chloroethoxy)methane	ND		9.6	1.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
Bis(2-chloroethyl)ether	ND		1.8	1.3	ug/L		05/15/26 02:48	05/18/26 16:18	10
Bis(2-ethylhexyl) phthalate	ND		96	20	ug/L		05/15/26 02:48	05/18/26 16:18	10
Butyl benzyl phthalate	ND		19	9.0	ug/L		05/15/26 02:48	05/18/26 16:18	10
Caprolactam	ND		48	6.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
Carbazole	**95**		1.8	0.49	ug/L		05/15/26 02:48	05/18/26 16:18	10
Chrysene	ND		1.8	0.78	ug/L		05/15/26 02:48	05/18/26 16:18	10
Dibenz(a,h)anthracene	ND		1.8	0.69	ug/L		05/15/26 02:48	05/18/26 16:18	10
Dibenzofuran	**63**		9.6	1.8	ug/L		05/15/26 02:48	05/18/26 16:18	10
Diethyl phthalate	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
Dimethyl phthalate	ND		19	1.9	ug/L		05/15/26 02:48	05/18/26 16:18	10
Di-n-butyl phthalate	ND		9.6	3.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
Di-n-octyl phthalate	ND		9.6	6.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
Fluoranthene	**8.1**		1.8	0.58	ug/L		05/15/26 02:48	05/18/26 16:18	10
Fluorene	**77**		1.8	0.66	ug/L		05/15/26 02:48	05/18/26 16:18	10
Hexachlorobenzene	ND		1.8	0.54	ug/L		05/15/26 02:48	05/18/26 16:18	10
Hexachlorobutadiene	ND		1.8	1.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
Hexachlorocyclopentadiene	ND		9.6	4.8	ug/L		05/15/26 02:48	05/18/26 16:18	10
Hexachloroethane	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 16:18	10
Indeno[1,2,3-cd]pyrene	ND		1.8	0.82	ug/L		05/15/26 02:48	05/18/26 16:18	10
Isophorone	ND	*+	9.6	1.8	ug/L		05/15/26 02:48	05/18/26 16:18	10
Methylphenol, 3 & 4	ND	*+	9.6	3.6	ug/L		05/15/26 02:48	05/18/26 16:18	10
Naphthalene	**3.6**		1.8	0.57	ug/L		05/15/26 02:48	05/18/26 16:18	10
Nitrobenzene	ND	*+	19	4.8	ug/L		05/15/26 02:48	05/18/26 16:18	10
N-Nitrosodi-n-propylamine	ND	*+	1.8	0.68	ug/L		05/15/26 02:48	05/18/26 16:18	10
N-Nitrosodiphenylamine	ND		9.6	2.4	ug/L		05/15/26 02:48	05/18/26 16:18	10
Pentachlorophenol	ND		48	8.1	ug/L		05/15/26 02:48	05/18/26 16:18	10
Phenanthrene	**54**		1.8	1.5	ug/L		05/15/26 02:48	05/18/26 16:18	10
Phenol	**100**		9.6	4.7	ug/L		05/15/26 02:48	05/18/26 16:18	10
Pyrene	**4.6**		1.8	1.1	ug/L		05/15/26 02:48	05/18/26 16:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*23 - 128*	*05/15/26 02:48*	*05/18/26 16:18*	*10*
2-Fluorobiphenyl	*60*		*20 - 105*	*05/15/26 02:48*	*05/18/26 16:18*	*10*
2-Fluorophenol (Surr)	*61*		*20 - 105*	*05/15/26 02:48*	*05/18/26 16:18*	*10*
Nitrobenzene-d5 (Surr)	*64*		*20 - 107*	*05/15/26 02:48*	*05/18/26 16:18*	*10*
Phenol-d5 (Surr)	*68*		*20 - 106*	*05/15/26 02:48*	*05/18/26 16:18*	*10*
Terphenyl-d14 (Surr)	*71*		*22 - 120*	*05/15/26 02:48*	*05/18/26 16:18*	*10*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-42

Date Collected: 05/12/26 09:35
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:22	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
1,2-Dibromo-3-Chloropropane	ND	^c	0.50	0.10	ug/L			05/26/26 14:22	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/26/26 14:22	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/26/26 14:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
2-Butanone	ND		5.0	1.0	ug/L			05/26/26 14:22	1
2-Hexanone	ND		5.0	2.0	ug/L			05/26/26 14:22	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/26/26 14:22	1
Acetone	ND		5.0	1.5	ug/L			05/26/26 14:22	1
Benzene	**1.5**		0.50	0.10	ug/L			05/26/26 14:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Bromoform	ND		1.0	0.30	ug/L			05/26/26 14:22	1
Bromomethane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/26/26 14:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
Chloroethane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Chloroform	ND		0.50	0.090	ug/L			05/26/26 14:22	1
Chloromethane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Cyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Freon 113	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Methyl acetate	ND		1.0	0.20	ug/L			05/26/26 14:22	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Methylene Chloride	**0.39**	**J**	0.50	0.20	ug/L			05/26/26 14:22	1
Styrene	ND		0.50	0.070	ug/L			05/26/26 14:22	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/26/26 14:22	1
Toluene	**0.17**	**J**	0.50	0.080	ug/L			05/26/26 14:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:22	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/26/26 14:22	1
Trichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:22	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/26/26 14:22	1
Xylene (total)	ND		1.0	0.070	ug/L			05/26/26 14:22	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-42
Date Collected: 05/12/26 09:35
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/26/26 14:22*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/26/26 14:22*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/26/26 14:22*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/26/26 14:22*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 16:40	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Methylnaphthalene	**0.10**	**J**	0.18	0.060	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 16:40	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 16:40	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 16:40	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 16:40	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 16:40	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 16:40	1
Acenaphthene	**0.13**	**J**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 16:40	1
Acenaphthylene	**0.066**	**J**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 16:40	1
Acetophenone	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 16:40	1
Anthracene	ND		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 16:40	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 16:40	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 16:40	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 16:40	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 16:40	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 16:40	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 16:40	1
Caprolactam	**1.1**	**J**	4.8	0.65	ug/L		05/15/26 02:48	05/18/26 16:40	1
Carbazole	**0.063**	**J**	0.18	0.049	ug/L		05/15/26 02:48	05/18/26 16:40	1
Chrysene	ND		0.18	0.078	ug/L		05/15/26 02:48	05/18/26 16:40	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 16:40	1

Client Sample ID: MW-42
Date Collected: 05/12/26 09:35
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-7
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/15/26 02:48	05/18/26 16:40	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 16:40	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 16:40	1
Di-n-butyl phthalate	**0.59**	**J**	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 16:40	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 16:40	1
Fluoranthene	ND		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 16:40	1
Fluorene	**0.081**	**J**	0.18	0.066	ug/L		05/15/26 02:48	05/18/26 16:40	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 16:40	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 16:40	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 16:40	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 16:40	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 16:40	1
Methylphenol, 3 & 4	ND	*+	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 16:40	1
Naphthalene	**3.3**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 16:40	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 16:40	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 16:40	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 16:40	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 16:40	1
Phenanthrene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 16:40	1
Phenol	ND		0.96	0.47	ug/L		05/15/26 02:48	05/18/26 16:40	1
Pyrene	ND		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*23 - 128*	*05/15/26 02:48*	*05/18/26 16:40*	*1*
2-Fluorobiphenyl	*61*		*20 - 105*	*05/15/26 02:48*	*05/18/26 16:40*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 105*	*05/15/26 02:48*	*05/18/26 16:40*	*1*
Nitrobenzene-d5 (Surr)	*75*		*20 - 107*	*05/15/26 02:48*	*05/18/26 16:40*	*1*
Phenol-d5 (Surr)	*74*		*20 - 106*	*05/15/26 02:48*	*05/18/26 16:40*	*1*
Terphenyl-d14 (Surr)	*82*		*22 - 120*	*05/15/26 02:48*	*05/18/26 16:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.00**		1.50	0.600	mg/L			05/14/26 08:51	1
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 08:51	1
Sulfate	**102**		15.0	5.00	mg/L			05/18/26 22:57	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 656.82**		150	120	mg/L			05/22/26 10:38	10
Turbidity (EPA 180.1)	**3.7**		0.85	0.05	NTU			05/13/26 12:43	1
Total Dissolved Solids (SM 2540C)	**800**		10	10	mg/L			05/15/26 19:15	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**620**		5.0	5.0	mg/L			05/19/26 14:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.4**	**HF**	0.1	0.1	SU			05/16/26 15:10	1
Specific Conductance (SM 2510B)	**1300**		1.0	1.0	umhos/cm			05/15/26 15:44	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-43

Date Collected: 05/12/26 11:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:23	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/23/26 01:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 01:23	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/23/26 01:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
2-Butanone	ND		5.0	1.0	ug/L			05/23/26 01:23	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 01:23	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 01:23	1
Acetone	ND		5.0	1.5	ug/L			05/23/26 01:23	1
Benzene	**1.4**		0.50	0.10	ug/L			05/23/26 01:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 01:23	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 01:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 01:23	1
Chloromethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Freon 113	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/23/26 01:23	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Methylene Chloride	**0.24**	**J**	0.50	0.20	ug/L			05/23/26 01:23	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 01:23	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 01:23	1
Toluene	**0.17**	**J**	0.50	0.080	ug/L			05/23/26 01:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 01:23	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 01:23	1

Client Sample ID: MW-43
Date Collected: 05/12/26 11:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 01:23*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/23/26 01:23*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/23/26 01:23*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/23/26 01:23*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/15/26 02:48	05/18/26 17:03	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Methylnaphthalene	**0.13**	**J**	0.19	0.062	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/15/26 02:48	05/18/26 17:03	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/15/26 02:48	05/18/26 17:03	1
3,3'-Dichlorobenzidine	ND	*+	1.0	0.58	ug/L		05/15/26 02:48	05/18/26 17:03	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/15/26 02:48	05/18/26 17:03	1
4,6-Dinitro-2-methylphenol	ND	*+	5.0	1.5	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/15/26 02:48	05/18/26 17:03	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/15/26 02:48	05/18/26 17:03	1
Acenaphthene	**0.13**	**J**	0.19	0.065	ug/L		05/15/26 02:48	05/18/26 17:03	1
Acenaphthylene	**0.075**	**J**	0.19	0.065	ug/L		05/15/26 02:48	05/18/26 17:03	1
Acetophenone	ND		1.0	0.16	ug/L		05/15/26 02:48	05/18/26 17:03	1
Anthracene	ND		0.19	0.049	ug/L		05/15/26 02:48	05/18/26 17:03	1
Atrazine	ND		1.0	0.30	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/15/26 02:48	05/18/26 17:03	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/15/26 02:48	05/18/26 17:03	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/15/26 02:48	05/18/26 17:03	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/15/26 02:48	05/18/26 17:03	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/15/26 02:48	05/18/26 17:03	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/15/26 02:48	05/18/26 17:03	1
Caprolactam	**4.9**	**J**	5.0	0.68	ug/L		05/15/26 02:48	05/18/26 17:03	1
Carbazole	ND		0.19	0.051	ug/L		05/15/26 02:48	05/18/26 17:03	1
Chrysene	ND		0.19	0.081	ug/L		05/15/26 02:48	05/18/26 17:03	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/15/26 02:48	05/18/26 17:03	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-43
Date Collected: 05/12/26 11:10
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-8
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/15/26 02:48	05/18/26 17:03	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 17:03	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/15/26 02:48	05/18/26 17:03	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/15/26 02:48	05/18/26 17:03	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/15/26 02:48	05/18/26 17:03	1
Fluoranthene	ND		0.19	0.060	ug/L		05/15/26 02:48	05/18/26 17:03	1
Fluorene	**0.084**	**J**	0.19	0.069	ug/L		05/15/26 02:48	05/18/26 17:03	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/15/26 02:48	05/18/26 17:03	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/15/26 02:48	05/18/26 17:03	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/15/26 02:48	05/18/26 17:03	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/15/26 02:48	05/18/26 17:03	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/15/26 02:48	05/18/26 17:03	1
Isophorone	ND	*+	1.0	0.19	ug/L		05/15/26 02:48	05/18/26 17:03	1
Methylphenol, 3 & 4	ND	*+	1.0	0.37	ug/L		05/15/26 02:48	05/18/26 17:03	1
Naphthalene	**4.7**		0.19	0.059	ug/L		05/15/26 02:48	05/18/26 17:03	1
Nitrobenzene	ND	*+	2.0	0.50	ug/L		05/15/26 02:48	05/18/26 17:03	1
N-Nitrosodi-n-propylamine	ND	*+	0.19	0.071	ug/L		05/15/26 02:48	05/18/26 17:03	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 17:03	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/15/26 02:48	05/18/26 17:03	1
Phenanthrene	ND		0.19	0.16	ug/L		05/15/26 02:48	05/18/26 17:03	1
Phenol	ND		1.0	0.49	ug/L		05/15/26 02:48	05/18/26 17:03	1
Pyrene	ND		0.19	0.11	ug/L		05/15/26 02:48	05/18/26 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*23 - 128*	*05/15/26 02:48*	*05/18/26 17:03*	*1*
2-Fluorobiphenyl	*70*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:03*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:03*	*1*
Nitrobenzene-d5 (Surr)	*78*		*20 - 107*	*05/15/26 02:48*	*05/18/26 17:03*	*1*
Phenol-d5 (Surr)	*79*		*20 - 106*	*05/15/26 02:48*	*05/18/26 17:03*	*1*
Terphenyl-d14 (Surr)	*103*		*22 - 120*	*05/15/26 02:48*	*05/18/26 17:03*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.3**		15.0	6.00	mg/L			05/18/26 22:45	10
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 09:04	1
Sulfate	**50.1**		15.0	5.00	mg/L			05/18/26 22:45	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 314.028**		15	12	mg/L			05/22/26 10:39	1
Turbidity (EPA 180.1)	**40**		1.7	0.10	NTU			05/13/26 12:42	2
Total Dissolved Solids (SM 2540C)	**470**		10	10	mg/L			05/19/26 17:18	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			05/19/26 14:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.5**	**HF**	0.1	0.1	SU			05/16/26 15:09	1
Specific Conductance (SM 2510B)	**810**		1.0	1.0	umhos/cm			05/19/26 14:11	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-46
Date Collected: 05/12/26 14:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:44	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:44	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 14:44	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
1,2-Dibromo-3-Chloropropane	ND	^c	0.50	0.10	ug/L			05/26/26 14:44	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/26/26 14:44	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/26/26 14:44	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
2-Butanone	ND		5.0	1.0	ug/L			05/26/26 14:44	1
2-Hexanone	ND		5.0	2.0	ug/L			05/26/26 14:44	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/26/26 14:44	1
Acetone	ND		5.0	1.5	ug/L			05/26/26 14:44	1
Benzene	**24**		0.50	0.10	ug/L			05/26/26 14:44	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Bromoform	ND		1.0	0.30	ug/L			05/26/26 14:44	1
Bromomethane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/26/26 14:44	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
Chloroethane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Chloroform	ND		0.50	0.090	ug/L			05/26/26 14:44	1
Chloromethane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:44	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Cyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Ethylbenzene	**0.093**	**J**	0.50	0.080	ug/L			05/26/26 14:44	1
Freon 113	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Methyl acetate	ND		1.0	0.20	ug/L			05/26/26 14:44	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Methylene Chloride	**0.27**	**J**	0.50	0.20	ug/L			05/26/26 14:44	1
Styrene	ND		0.50	0.070	ug/L			05/26/26 14:44	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/26/26 14:44	1
Toluene	**0.14**	**J**	0.50	0.080	ug/L			05/26/26 14:44	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 14:44	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/26/26 14:44	1
Trichloroethene	ND		0.50	0.080	ug/L			05/26/26 14:44	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/26/26 14:44	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/26/26 14:44	1
Xylene (total)	**0.079**	**J**	1.0	0.070	ug/L			05/26/26 14:44	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-46
Date Collected: 05/12/26 14:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/26/26 14:44*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/26/26 14:44*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/26/26 14:44*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/26/26 14:44*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 17:25	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Methylnaphthalene	**0.12**	**J**	0.18	0.060	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 17:25	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 17:25	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 17:25	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 17:25	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 17:25	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 17:25	1
Acenaphthene	ND		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 17:25	1
Acenaphthylene	**0.075**	**J**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 17:25	1
Acetophenone	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 17:25	1
Anthracene	**0.11**	**J**	0.18	0.047	ug/L		05/15/26 02:48	05/18/26 17:25	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzo[a]anthracene	**0.14**	**J**	0.18	0.072	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzo[b]fluoranthene	**0.10**	**J**	0.18	0.093	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 17:25	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 17:25	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 17:25	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 17:25	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 17:25	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 17:25	1
Caprolactam	**0.81**	**J**	4.8	0.65	ug/L		05/15/26 02:48	05/18/26 17:25	1
Carbazole	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 17:25	1
Chrysene	**0.17**	**J**	0.18	0.078	ug/L		05/15/26 02:48	05/18/26 17:25	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 17:25	1

Client Sample ID: MW-46
Date Collected: 05/12/26 14:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/15/26 02:48	05/18/26 17:25	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 17:25	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 17:25	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 17:25	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 17:25	1
Fluoranthene	**0.43**		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 17:25	1
Fluorene	**0.13**	**J**	0.18	0.066	ug/L		05/15/26 02:48	05/18/26 17:25	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 17:25	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 17:25	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 17:25	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 17:25	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 17:25	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 17:25	1
Methylphenol, 3 & 4	ND	*+	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 17:25	1
Naphthalene	**2.4**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 17:25	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 17:25	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 17:25	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 17:25	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 17:25	1
Phenanthrene	**0.45**		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 17:25	1
Phenol	**0.83**	**J**	0.96	0.47	ug/L		05/15/26 02:48	05/18/26 17:25	1
Pyrene	**0.32**		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*23 - 128*	*05/15/26 02:48*	*05/18/26 17:25*	*1*
2-Fluorobiphenyl	*75*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:25*	*1*
2-Fluorophenol (Surr)	*74*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:25*	*1*
Nitrobenzene-d5 (Surr)	*82*		*20 - 107*	*05/15/26 02:48*	*05/18/26 17:25*	*1*
Phenol-d5 (Surr)	*79*		*20 - 106*	*05/15/26 02:48*	*05/18/26 17:25*	*1*
Terphenyl-d14 (Surr)	*84*		*22 - 120*	*05/15/26 02:48*	*05/18/26 17:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.8**		7.50	3.00	mg/L			05/19/26 00:05	5
Nitrate as N	**0.274**		0.110	0.0500	mg/L			05/14/26 12:19	1
Sulfate	**282**		30.0	10.0	mg/L			05/19/26 00:17	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**580**		25	12	ug/L		05/25/26 09:18	05/25/26 23:34	1
Antimony	**0.34**	**J**	1.0	0.20	ug/L		05/25/26 09:18	05/25/26 22:12	1
Arsenic	**1.0**	**J**	2.0	0.68	ug/L		05/25/26 09:18	05/25/26 22:12	1
Barium	**67**		2.0	0.75	ug/L		05/25/26 09:18	05/25/26 22:12	1
Beryllium	**0.14**	**J**	0.50	0.12	ug/L		05/25/26 09:18	05/25/26 22:12	1
Cadmium	ND		0.50	0.15	ug/L		05/25/26 09:18	05/25/26 22:12	1
Calcium	**160000**		120	50	ug/L		05/25/26 09:18	05/25/26 22:12	1
Chromium	**0.92**	**J**	2.0	0.55	ug/L		05/25/26 09:18	05/25/26 22:12	1
Cobalt	**0.17**	**J**	0.50	0.16	ug/L		05/25/26 09:18	05/25/26 22:12	1
Copper	ND		1.0	0.85	ug/L		05/25/26 09:18	05/25/26 22:12	1
Iron	**630**		50	20	ug/L		05/25/26 09:18	05/25/26 22:12	1

Client Sample ID: MW-46
Date Collected: 05/12/26 14:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-9
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50	0.12	ug/L		05/25/26 09:18	05/25/26 22:12	1
Magnesium	39000		50	16	ug/L		05/25/26 09:18	05/25/26 22:12	1
Manganese	320		2.0	0.95	ug/L		05/25/26 09:18	05/25/26 22:12	1
Nickel	0.41	J	1.0	0.40	ug/L		05/25/26 09:18	05/25/26 22:12	1
Potassium	13000		200	65	ug/L		05/25/26 09:18	05/25/26 22:12	1
Selenium	5.7		1.0	0.28	ug/L		05/25/26 09:18	05/25/26 22:12	1
Silver	ND		0.50	0.10	ug/L		05/25/26 09:18	05/25/26 22:12	1
Sodium	20000	B ^2	200	90	ug/L		05/25/26 09:18	05/25/26 22:12	1
Thallium	ND		0.50	0.13	ug/L		05/25/26 09:18	05/25/26 22:12	1
Vanadium	ND		4.0	0.79	ug/L		05/25/26 09:18	05/25/26 22:12	1
Zinc	5.8	J	10	4.0	ug/L		05/25/26 09:18	05/25/26 22:12	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	31		26	12	ug/L		05/21/26 11:56	05/21/26 21:16	1
Antimony	0.87	J	1.0	0.21	ug/L		05/21/26 11:56	05/21/26 21:16	1
Arsenic	0.76	J	2.1	0.70	ug/L		05/21/26 11:56	05/21/26 21:16	1
Barium	58		2.1	0.77	ug/L		05/21/26 11:56	05/21/26 21:16	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:56	05/21/26 21:16	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:56	05/21/26 21:16	1
Calcium	170000		120	52	ug/L		05/21/26 11:56	05/21/26 21:16	1
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:56	05/21/26 21:16	1
Cobalt	0.17	J	0.52	0.16	ug/L		05/21/26 11:56	05/21/26 21:16	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:56	05/21/26 21:16	1
Iron	140		52	21	ug/L		05/21/26 11:56	05/21/26 21:16	1
Lead	ND		0.52	0.12	ug/L		05/21/26 11:56	05/21/26 21:16	1
Magnesium	37000		52	16	ug/L		05/21/26 11:56	05/21/26 21:16	1
Manganese	190		2.1	0.98	ug/L		05/21/26 11:56	05/21/26 21:16	1
Nickel	ND	^+	1.0	0.41	ug/L		05/21/26 11:56	05/21/26 21:16	1
Potassium	12000		210	67	ug/L		05/21/26 11:56	05/21/26 21:16	1
Selenium	7.8		1.0	0.29	ug/L		05/21/26 11:56	05/21/26 21:16	1
Silver	ND		0.52	0.10	ug/L		05/21/26 11:56	05/21/26 21:16	1
Sodium	19000		210	93	ug/L		05/21/26 11:56	05/21/26 21:16	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:56	05/21/26 21:16	1
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:56	05/21/26 21:16	1
Zinc	ND		10	4.1	ug/L		05/21/26 11:56	05/21/26 21:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/20/26 17:49	05/21/26 00:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/20/26 17:49	05/21/26 00:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 280.26		15	12	mg/L			05/22/26 10:39	1
Turbidity (EPA 180.1)	17		0.85	0.05	NTU			05/13/26 12:38	1
Total Dissolved Solids (SM 2540C)	750		10	10	mg/L			05/19/26 17:18	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-46
Date Collected: 05/12/26 14:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	260		5.0	5.0	mg/L			05/19/26 15:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.7	HF	0.1	0.1	SU			05/16/26 15:08	1
Specific Conductance (SM 2510B)	1100		1.0	1.0	umhos/cm			05/19/26 14:15	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-41
Date Collected: 05/12/26 09:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			05/23/26 05:47	500
1,1,2,2-Tetrachloroethane	ND	^c	250	50	ug/L			05/23/26 05:47	500
1,1,2-Trichloroethane	ND		250	40	ug/L			05/23/26 05:47	500
1,1-Dichloroethane	ND		250	50	ug/L			05/23/26 05:47	500
1,1-Dichloroethene	ND		250	50	ug/L			05/23/26 05:47	500
1,2,4-Trichlorobenzene	ND		250	35	ug/L			05/23/26 05:47	500
1,2-Dibromo-3-Chloropropane	ND		250	50	ug/L			05/23/26 05:47	500
1,2-Dibromoethane	ND		250	40	ug/L			05/23/26 05:47	500
1,2-Dichlorobenzene	ND		250	35	ug/L			05/23/26 05:47	500
1,2-Dichloroethane	ND		250	35	ug/L			05/23/26 05:47	500
1,2-Dichloropropane	ND		250	50	ug/L			05/23/26 05:47	500
1,3-Dichlorobenzene	ND		250	35	ug/L			05/23/26 05:47	500
1,4-Dichlorobenzene	ND		250	35	ug/L			05/23/26 05:47	500
2-Butanone	ND		2500	500	ug/L			05/23/26 05:47	500
2-Hexanone	ND		2500	1000	ug/L			05/23/26 05:47	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			05/23/26 05:47	500
Acetone	ND		2500	750	ug/L			05/23/26 05:47	500
Bromodichloromethane	ND		250	40	ug/L			05/23/26 05:47	500
Bromoform	ND		500	150	ug/L			05/23/26 05:47	500
Bromomethane	ND		250	50	ug/L			05/23/26 05:47	500
Carbon disulfide	ND		500	50	ug/L			05/23/26 05:47	500
Carbon tetrachloride	ND		250	50	ug/L			05/23/26 05:47	500
Chlorobenzene	ND		250	35	ug/L			05/23/26 05:47	500
Chloroethane	ND		250	50	ug/L			05/23/26 05:47	500
Chloroform	ND		250	45	ug/L			05/23/26 05:47	500
Chloromethane	ND		250	50	ug/L			05/23/26 05:47	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			05/23/26 05:47	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			05/23/26 05:47	500
Cyclohexane	ND		250	50	ug/L			05/23/26 05:47	500
Dibromochloromethane	ND		250	40	ug/L			05/23/26 05:47	500
Dichlorodifluoromethane	ND		250	50	ug/L			05/23/26 05:47	500
Ethylbenzene	**93**	**J**	250	40	ug/L			05/23/26 05:47	500
Freon 113	ND		250	40	ug/L			05/23/26 05:47	500
Isopropylbenzene	ND		250	40	ug/L			05/23/26 05:47	500
Methyl acetate	ND	^c	500	100	ug/L			05/23/26 05:47	500
Methyl tertiary butyl ether	ND		250	40	ug/L			05/23/26 05:47	500
Methylcyclohexane	ND		250	50	ug/L			05/23/26 05:47	500
Methylene Chloride	ND		250	100	ug/L			05/23/26 05:47	500
Styrene	ND		250	35	ug/L			05/23/26 05:47	500
Tetrachloroethene	ND		250	100	ug/L			05/23/26 05:47	500
Toluene	**1100**		250	40	ug/L			05/23/26 05:47	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			05/23/26 05:47	500
trans-1,3-Dichloropropene	ND		250	40	ug/L			05/23/26 05:47	500
Trichloroethene	ND		250	40	ug/L			05/23/26 05:47	500
Trichlorofluoromethane	ND		250	50	ug/L			05/23/26 05:47	500
Vinyl chloride	ND		250	50	ug/L			05/23/26 05:47	500
Xylene (total)	**1300**		500	35	ug/L			05/23/26 05:47	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/23/26 05:47*	*500*

Client Sample ID: MW-41
Date Collected: 05/12/26 09:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/23/26 05:47*	*500*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/23/26 05:47*	*500*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 05:47*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15000**		2500	500	ug/L			05/23/26 06:09	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/23/26 06:09*	*5000*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/23/26 06:09*	*5000*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 06:09*	*5000*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/23/26 06:09*	*5000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**11**	**J**	19	2.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,2'-oxybis[1-chloropropane]	ND		3.7	2.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4,5-Trichlorophenol	ND		19	4.8	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4,6-Trichlorophenol	ND		19	4.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4-Dichlorophenol	ND		3.7	0.98	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4-Dimethylphenol	**120**		19	11	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4-Dinitrophenol	ND		190	63	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,4-Dinitrotoluene	ND		19	6.8	ug/L		05/15/26 02:48	05/18/26 17:47	20
2,6-Dinitrotoluene	ND		19	3.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Chloronaphthalene	ND		3.7	1.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Chlorophenol	ND		19	4.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Methylnaphthalene	**110**		3.7	1.2	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Methylphenol	**95**		19	11	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Nitroaniline	ND		96	11	ug/L		05/15/26 02:48	05/18/26 17:47	20
2-Nitrophenol	ND		19	3.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
3,3'-Dichlorobenzidine	ND	*+	19	11	ug/L		05/15/26 02:48	05/18/26 17:47	20
3-Nitroaniline	ND		96	8.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
4,6-Dinitro-2-methylphenol	ND	*+	96	28	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Bromophenyl phenyl ether	ND		19	6.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Chloro-3-methylphenol	ND		19	8.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Chloroaniline	ND		19	7.2	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Chlorophenyl phenyl ether	ND		19	4.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Nitroaniline	ND		96	7.0	ug/L		05/15/26 02:48	05/18/26 17:47	20
4-Nitrophenol	ND		96	18	ug/L		05/15/26 02:48	05/18/26 17:47	20
Acenaphthene	**63**		3.7	1.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
Acenaphthylene	**7.8**		3.7	1.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
Acetophenone	**21**		19	3.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
Anthracene	**5.3**		3.7	0.94	ug/L		05/15/26 02:48	05/18/26 17:47	20
Atrazine	ND		19	5.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
Benzaldehyde	ND		19	10	ug/L		05/15/26 02:48	05/18/26 17:47	20
Benzo[a]anthracene	ND		3.7	1.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
Benzo[a]pyrene	ND		3.7	2.5	ug/L		05/15/26 02:48	05/18/26 17:47	20
Benzo[b]fluoranthene	ND		3.7	1.9	ug/L		05/15/26 02:48	05/18/26 17:47	20
Benzo[g,h,i]perylene	ND		3.7	1.3	ug/L		05/15/26 02:48	05/18/26 17:47	20

Client Sample ID: MW-41
Date Collected: 05/12/26 09:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-10
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		3.7	1.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
Bis(2-chloroethoxy)methane	ND		19	2.9	ug/L		05/15/26 02:48	05/18/26 17:47	20
Bis(2-chloroethyl)ether	ND		3.7	2.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
Bis(2-ethylhexyl) phthalate	ND		190	40	ug/L		05/15/26 02:48	05/18/26 17:47	20
Butyl benzyl phthalate	ND		38	18	ug/L		05/15/26 02:48	05/18/26 17:47	20
Caprolactam	ND		96	13	ug/L		05/15/26 02:48	05/18/26 17:47	20
Carbazole	**64**		3.7	0.98	ug/L		05/15/26 02:48	05/18/26 17:47	20
Chrysene	ND		3.7	1.6	ug/L		05/15/26 02:48	05/18/26 17:47	20
Dibenz(a,h)anthracene	ND		3.7	1.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
Dibenzofuran	**35**		19	3.7	ug/L		05/15/26 02:48	05/18/26 17:47	20
Diethyl phthalate	ND		19	4.8	ug/L		05/15/26 02:48	05/18/26 17:47	20
Dimethyl phthalate	ND		38	3.8	ug/L		05/15/26 02:48	05/18/26 17:47	20
Di-n-butyl phthalate	ND		19	7.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
Di-n-octyl phthalate	ND		19	13	ug/L		05/15/26 02:48	05/18/26 17:47	20
Fluoranthene	**6.1**		3.7	1.2	ug/L		05/15/26 02:48	05/18/26 17:47	20
Fluorene	**46**		3.7	1.3	ug/L		05/15/26 02:48	05/18/26 17:47	20
Hexachlorobenzene	ND		3.7	1.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
Hexachlorobutadiene	ND		3.7	3.0	ug/L		05/15/26 02:48	05/18/26 17:47	20
Hexachlorocyclopentadiene	ND		19	9.6	ug/L		05/15/26 02:48	05/18/26 17:47	20
Hexachloroethane	ND		19	6.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
Indeno[1,2,3-cd]pyrene	ND		3.7	1.6	ug/L		05/15/26 02:48	05/18/26 17:47	20
Isophorone	ND	*+	19	3.6	ug/L		05/15/26 02:48	05/18/26 17:47	20
Methylphenol, 3 & 4	**130**	***+**	19	7.2	ug/L		05/15/26 02:48	05/18/26 17:47	20
Naphthalene	**2500**	**E ES**	3.7	1.1	ug/L		05/15/26 02:48	05/18/26 17:47	20
Nitrobenzene	ND	*+	38	9.6	ug/L		05/15/26 02:48	05/18/26 17:47	20
N-Nitrosodi-n-propylamine	ND	*+	3.7	1.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
N-Nitrosodiphenylamine	ND		19	4.8	ug/L		05/15/26 02:48	05/18/26 17:47	20
Pentachlorophenol	ND		96	16	ug/L		05/15/26 02:48	05/18/26 17:47	20
Phenanthrene	**33**		3.7	3.0	ug/L		05/15/26 02:48	05/18/26 17:47	20
Phenol	**82**		19	9.4	ug/L		05/15/26 02:48	05/18/26 17:47	20
Pyrene	**3.3**	**J**	3.7	2.1	ug/L		05/15/26 02:48	05/18/26 17:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*23 - 128*	*05/15/26 02:48*	*05/18/26 17:47*	*20*
2-Fluorobiphenyl	*67*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:47*	*20*
2-Fluorophenol (Surr)	*63*		*20 - 105*	*05/15/26 02:48*	*05/18/26 17:47*	*20*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*	*05/15/26 02:48*	*05/18/26 17:47*	*20*
Phenol-d5 (Surr)	*62*		*20 - 106*	*05/15/26 02:48*	*05/18/26 17:47*	*20*
Terphenyl-d14 (Surr)	*49*		*22 - 120*	*05/15/26 02:48*	*05/18/26 17:47*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		140	20	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,2'-oxybis[1-chloropropane]	ND		27	17	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4,5-Trichlorophenol	ND		140	36	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4,6-Trichlorophenol	ND		140	32	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4-Dichlorophenol	ND		27	7.4	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4-Dimethylphenol	**100**	**J**	140	84	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4-Dinitrophenol	ND		1400	470	ug/L		05/15/26 02:48	05/18/26 22:51	150
2,4-Dinitrotoluene	ND		140	51	ug/L		05/15/26 02:48	05/18/26 22:51	150

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-41
Date Collected: 05/12/26 09:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-10
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		140	25	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Chloronaphthalene	ND		27	8.5	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Chlorophenol	ND		140	32	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Methylnaphthalene	**100**		27	8.9	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Methylphenol	ND		140	80	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Nitroaniline	ND		720	79	ug/L		05/15/26 02:48	05/18/26 22:51	150
2-Nitrophenol	ND		140	28	ug/L		05/15/26 02:48	05/18/26 22:51	150
3,3'-Dichlorobenzidine	ND	*+	140	84	ug/L		05/15/26 02:48	05/18/26 22:51	150
3-Nitroaniline	ND		720	63	ug/L		05/15/26 02:48	05/18/26 22:51	150
4,6-Dinitro-2-methylphenol	ND	*+	720	210	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Bromophenyl phenyl ether	ND		140	46	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Chloro-3-methylphenol	ND		140	63	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Chloroaniline	ND		140	54	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Chlorophenyl phenyl ether	ND		140	32	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Nitroaniline	ND		720	52	ug/L		05/15/26 02:48	05/18/26 22:51	150
4-Nitrophenol	ND		720	140	ug/L		05/15/26 02:48	05/18/26 22:51	150
Acenaphthene	**65**		27	9.4	ug/L		05/15/26 02:48	05/18/26 22:51	150
Acenaphthylene	ND		27	9.4	ug/L		05/15/26 02:48	05/18/26 22:51	150
Acetophenone	ND		140	23	ug/L		05/15/26 02:48	05/18/26 22:51	150
Anthracene	ND		27	7.1	ug/L		05/15/26 02:48	05/18/26 22:51	150
Atrazine	ND		140	43	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzaldehyde	ND		140	78	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzo[a]anthracene	ND		27	11	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzo[a]pyrene	ND		27	18	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzo[b]fluoranthene	ND		27	14	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzo[g,h,i]perylene	ND		27	10	ug/L		05/15/26 02:48	05/18/26 22:51	150
Benzo[k]fluoranthene	ND		27	13	ug/L		05/15/26 02:48	05/18/26 22:51	150
Bis(2-chloroethoxy)methane	ND		140	22	ug/L		05/15/26 02:48	05/18/26 22:51	150
Bis(2-chloroethyl)ether	ND		27	20	ug/L		05/15/26 02:48	05/18/26 22:51	150
Bis(2-ethylhexyl) phthalate	ND		1400	300	ug/L		05/15/26 02:48	05/18/26 22:51	150
Butyl benzyl phthalate	ND		290	140	ug/L		05/15/26 02:48	05/18/26 22:51	150
Caprolactam	ND		720	98	ug/L		05/15/26 02:48	05/18/26 22:51	150
Carbazole	**65**		27	7.4	ug/L		05/15/26 02:48	05/18/26 22:51	150
Chrysene	ND		27	12	ug/L		05/15/26 02:48	05/18/26 22:51	150
Dibenz(a,h)anthracene	ND		27	10	ug/L		05/15/26 02:48	05/18/26 22:51	150
Dibenzofuran	**39**	**J**	140	27	ug/L		05/15/26 02:48	05/18/26 22:51	150
Diethyl phthalate	ND		140	36	ug/L		05/15/26 02:48	05/18/26 22:51	150
Dimethyl phthalate	ND		290	29	ug/L		05/15/26 02:48	05/18/26 22:51	150
Di-n-butyl phthalate	ND		140	54	ug/L		05/15/26 02:48	05/18/26 22:51	150
Di-n-octyl phthalate	ND		140	99	ug/L		05/15/26 02:48	05/18/26 22:51	150
Fluoranthene	ND		27	8.7	ug/L		05/15/26 02:48	05/18/26 22:51	150
Fluorene	**49**		27	10	ug/L		05/15/26 02:48	05/18/26 22:51	150
Hexachlorobenzene	ND		27	8.1	ug/L		05/15/26 02:48	05/18/26 22:51	150
Hexachlorobutadiene	ND		27	22	ug/L		05/15/26 02:48	05/18/26 22:51	150
Hexachlorocyclopentadiene	ND		140	72	ug/L		05/15/26 02:48	05/18/26 22:51	150
Hexachloroethane	ND		140	46	ug/L		05/15/26 02:48	05/18/26 22:51	150
Indeno[1,2,3-cd]pyrene	ND		27	12	ug/L		05/15/26 02:48	05/18/26 22:51	150
Isophorone	ND	*+	140	27	ug/L		05/15/26 02:48	05/18/26 22:51	150
Methylphenol, 3 & 4	**100**	**J *+**	140	54	ug/L		05/15/26 02:48	05/18/26 22:51	150

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-41

Date Collected: 05/12/26 09:45
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-10

Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**4700**		27	8.5	ug/L		05/15/26 02:48	05/18/26 22:51	150
Nitrobenzene	ND	*+	290	72	ug/L		05/15/26 02:48	05/18/26 22:51	150
N-Nitrosodi-n-propylamine	ND	*+	27	10	ug/L		05/15/26 02:48	05/18/26 22:51	150
N-Nitrosodiphenylamine	ND		140	36	ug/L		05/15/26 02:48	05/18/26 22:51	150
Pentachlorophenol	ND		720	120	ug/L		05/15/26 02:48	05/18/26 22:51	150
Phenanthrene	**39**		27	23	ug/L		05/15/26 02:48	05/18/26 22:51	150
Phenol	ND		140	70	ug/L		05/15/26 02:48	05/18/26 22:51	150
Pyrene	ND		27	16	ug/L		05/15/26 02:48	05/18/26 22:51	150

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/15/26 02:48*	*05/18/26 22:51*	*150*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 22:51*	*150*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 22:51*	*150*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/15/26 02:48*	*05/18/26 22:51*	*150*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/15/26 02:48*	*05/18/26 22:51*	*150*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/15/26 02:48*	*05/18/26 22:51*	*150*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.16**		1.50	0.600	mg/L			05/14/26 08:40	1
Nitrate as N	ND	FH	0.110	0.0500	mg/L			05/14/26 08:40	1
Sulfate	**2.79**		1.50	0.500	mg/L			05/14/26 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 358.728**		15	12	mg/L			05/22/26 10:39	1
Turbidity (EPA 180.1)	**2.0**		0.85	0.05	NTU			05/13/26 12:37	1
Total Dissolved Solids (SM 2540C)	**340**		10	10	mg/L			05/19/26 17:18	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**380**		5.0	5.0	mg/L			05/19/26 15:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**8.5**	**HF**	0.1	0.1	SU			05/16/26 15:07	1
Specific Conductance (SM 2510B)	**700**		1.0	1.0	umhos/cm			05/19/26 14:17	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-44

Date Collected: 05/12/26 11:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 08:44	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/23/26 08:44	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 08:44	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 08:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 08:44	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/23/26 08:44	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
2-Butanone	ND		5.0	1.0	ug/L			05/23/26 08:44	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 08:44	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 08:44	1
Acetone	**3.9**	**J**	5.0	1.5	ug/L			05/23/26 08:44	1
Benzene	ND	B	0.50	0.10	ug/L			05/23/26 08:44	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 08:44	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 08:44	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 08:44	1
Chloromethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 08:44	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Freon 113	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Isopropylbenzene	**0.081**	**J**	0.50	0.080	ug/L			05/23/26 08:44	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/23/26 08:44	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Methylcyclohexane	**0.12**	**J**	0.50	0.10	ug/L			05/23/26 08:44	1
Methylene Chloride	**0.22**	**J**	0.50	0.20	ug/L			05/23/26 08:44	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 08:44	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 08:44	1
Toluene	ND	B	0.50	0.080	ug/L			05/23/26 08:44	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 08:44	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 08:44	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 08:44	1
Xylene (total)	**0.078**	**J**	1.0	0.070	ug/L			05/23/26 08:44	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-44

Date Collected: 05/12/26 11:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 08:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/23/26 08:44*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 08:44*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/23/26 08:44*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4-Dimethylphenol	**0.80**	**J**	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/15/26 02:48	05/18/26 18:10	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/15/26 02:48	05/18/26 18:10	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/15/26 02:48	05/18/26 18:10	1
3,3'-Dichlorobenzidine	ND	*+	0.96	0.56	ug/L		05/15/26 02:48	05/18/26 18:10	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/15/26 02:48	05/18/26 18:10	1
4,6-Dinitro-2-methylphenol	ND	*+	4.8	1.4	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/15/26 02:48	05/18/26 18:10	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/15/26 02:48	05/18/26 18:10	1
Acenaphthene	**2.9**		0.18	0.063	ug/L		05/15/26 02:48	05/18/26 18:10	1
Acenaphthylene	**0.15**	**J**	0.18	0.063	ug/L		05/15/26 02:48	05/18/26 18:10	1
Acetophenone	**8.0**		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 18:10	1
Anthracene	**0.26**		0.18	0.047	ug/L		05/15/26 02:48	05/18/26 18:10	1
Atrazine	ND		0.96	0.28	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 18:10	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/15/26 02:48	05/18/26 18:10	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/15/26 02:48	05/18/26 18:10	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/15/26 02:48	05/18/26 18:10	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/15/26 02:48	05/18/26 18:10	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/15/26 02:48	05/18/26 18:10	1
Caprolactam	ND		4.8	0.65	ug/L		05/15/26 02:48	05/18/26 18:10	1
Carbazole	**0.27**		0.18	0.049	ug/L		05/15/26 02:48	05/18/26 18:10	1
Chrysene	ND		0.18	0.078	ug/L		05/15/26 02:48	05/18/26 18:10	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/15/26 02:48	05/18/26 18:10	1

Client Sample ID: MW-44
Date Collected: 05/12/26 11:15
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-11
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**0.38**	**J**	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 18:10	1
Diethyl phthalate	**0.27**	**J**	0.96	0.24	ug/L		05/15/26 02:48	05/18/26 18:10	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/15/26 02:48	05/18/26 18:10	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/15/26 02:48	05/18/26 18:10	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/15/26 02:48	05/18/26 18:10	1
Fluoranthene	**0.46**		0.18	0.058	ug/L		05/15/26 02:48	05/18/26 18:10	1
Fluorene	**1.3**		0.18	0.066	ug/L		05/15/26 02:48	05/18/26 18:10	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/15/26 02:48	05/18/26 18:10	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 18:10	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/15/26 02:48	05/18/26 18:10	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/15/26 02:48	05/18/26 18:10	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/15/26 02:48	05/18/26 18:10	1
Isophorone	ND	*+	0.96	0.18	ug/L		05/15/26 02:48	05/18/26 18:10	1
Methylphenol, 3 & 4	**0.63**	**J *+**	0.96	0.36	ug/L		05/15/26 02:48	05/18/26 18:10	1
Naphthalene	**2.5**		0.18	0.057	ug/L		05/15/26 02:48	05/18/26 18:10	1
Nitrobenzene	ND	*+	1.9	0.48	ug/L		05/15/26 02:48	05/18/26 18:10	1
N-Nitrosodi-n-propylamine	ND	*+	0.18	0.068	ug/L		05/15/26 02:48	05/18/26 18:10	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/15/26 02:48	05/18/26 18:10	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/15/26 02:48	05/18/26 18:10	1
Phenanthrene	**1.7**		0.18	0.15	ug/L		05/15/26 02:48	05/18/26 18:10	1
Phenol	**1.8**		0.96	0.47	ug/L		05/15/26 02:48	05/18/26 18:10	1
Pyrene	**0.27**		0.18	0.11	ug/L		05/15/26 02:48	05/18/26 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*23 - 128*	*05/15/26 02:48*	*05/18/26 18:10*	*1*
2-Fluorobiphenyl	*82*		*20 - 105*	*05/15/26 02:48*	*05/18/26 18:10*	*1*
2-Fluorophenol (Surr)	*87*		*20 - 105*	*05/15/26 02:48*	*05/18/26 18:10*	*1*
Nitrobenzene-d5 (Surr)	*92*		*20 - 107*	*05/15/26 02:48*	*05/18/26 18:10*	*1*
Phenol-d5 (Surr)	*96*		*20 - 106*	*05/15/26 02:48*	*05/18/26 18:10*	*1*
Terphenyl-d14 (Surr)	*64*		*22 - 120*	*05/15/26 02:48*	*05/18/26 18:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.8**		7.50	3.00	mg/L			05/18/26 12:57	5
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 09:26	1
Sulfate	ND		1.50	0.500	mg/L			05/14/26 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 950.28**		150	120	mg/L			05/22/26 10:39	10
Turbidity (EPA 180.1)	**310**		8.5	0.50	NTU			05/13/26 12:35	10
Total Dissolved Solids (SM 2540C)	**940**		10	10	mg/L			05/19/26 17:18	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**860**		5.0	5.0	mg/L			05/19/26 15:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**6.9**	**HF**	0.1	0.1	SU			05/16/26 15:38	1
Specific Conductance (SM 2510B)	**2000**		1.0	1.0	umhos/cm			05/19/26 14:19	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-15
Date Collected: 05/12/26 15:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			05/23/26 06:31	500
1,1,2,2-Tetrachloroethane	ND	^c	250	50	ug/L			05/23/26 06:31	500
1,1,2-Trichloroethane	ND		250	40	ug/L			05/23/26 06:31	500
1,1-Dichloroethane	ND		250	50	ug/L			05/23/26 06:31	500
1,1-Dichloroethene	ND		250	50	ug/L			05/23/26 06:31	500
1,2,4-Trichlorobenzene	ND		250	35	ug/L			05/23/26 06:31	500
1,2-Dibromo-3-Chloropropane	ND		250	50	ug/L			05/23/26 06:31	500
1,2-Dibromoethane	ND		250	40	ug/L			05/23/26 06:31	500
1,2-Dichlorobenzene	ND		250	35	ug/L			05/23/26 06:31	500
1,2-Dichloroethane	ND		250	35	ug/L			05/23/26 06:31	500
1,2-Dichloropropane	ND		250	50	ug/L			05/23/26 06:31	500
1,3-Dichlorobenzene	ND		250	35	ug/L			05/23/26 06:31	500
1,4-Dichlorobenzene	ND		250	35	ug/L			05/23/26 06:31	500
2-Butanone	ND		2500	500	ug/L			05/23/26 06:31	500
2-Hexanone	ND		2500	1000	ug/L			05/23/26 06:31	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			05/23/26 06:31	500
Acetone	ND		2500	750	ug/L			05/23/26 06:31	500
Bromodichloromethane	ND		250	40	ug/L			05/23/26 06:31	500
Bromoform	ND		500	150	ug/L			05/23/26 06:31	500
Bromomethane	ND		250	50	ug/L			05/23/26 06:31	500
Carbon disulfide	ND		500	50	ug/L			05/23/26 06:31	500
Carbon tetrachloride	ND		250	50	ug/L			05/23/26 06:31	500
Chlorobenzene	ND		250	35	ug/L			05/23/26 06:31	500
Chloroethane	ND		250	50	ug/L			05/23/26 06:31	500
Chloroform	ND		250	45	ug/L			05/23/26 06:31	500
Chloromethane	ND		250	50	ug/L			05/23/26 06:31	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			05/23/26 06:31	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			05/23/26 06:31	500
Cyclohexane	ND		250	50	ug/L			05/23/26 06:31	500
Dibromochloromethane	ND		250	40	ug/L			05/23/26 06:31	500
Dichlorodifluoromethane	ND		250	50	ug/L			05/23/26 06:31	500
Ethylbenzene	ND		250	40	ug/L			05/23/26 06:31	500
Freon 113	ND		250	40	ug/L			05/23/26 06:31	500
Isopropylbenzene	ND		250	40	ug/L			05/23/26 06:31	500
Methyl acetate	ND	^c	500	100	ug/L			05/23/26 06:31	500
Methyl tertiary butyl ether	ND		250	40	ug/L			05/23/26 06:31	500
Methylcyclohexane	ND		250	50	ug/L			05/23/26 06:31	500
Methylene Chloride	ND		250	100	ug/L			05/23/26 06:31	500
Styrene	ND		250	35	ug/L			05/23/26 06:31	500
Tetrachloroethene	ND		250	100	ug/L			05/23/26 06:31	500
Toluene	**2100**		250	40	ug/L			05/23/26 06:31	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			05/23/26 06:31	500
trans-1,3-Dichloropropene	ND		250	40	ug/L			05/23/26 06:31	500
Trichloroethene	ND		250	40	ug/L			05/23/26 06:31	500
Trichlorofluoromethane	ND		250	50	ug/L			05/23/26 06:31	500
Vinyl chloride	ND		250	50	ug/L			05/23/26 06:31	500
Xylene (total)	**520**		500	35	ug/L			05/23/26 06:31	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/23/26 06:31*	*500*

Client Sample ID: MW-15
Date Collected: 05/12/26 15:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/23/26 06:31*	*500*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/23/26 06:31*	*500*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/23/26 06:31*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12000**		2500	500	ug/L			05/23/26 06:53	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/23/26 06:53*	*5000*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/23/26 06:53*	*5000*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 06:53*	*5000*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/23/26 06:53*	*5000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		38	5.5	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,2'-oxybis[1-chloropropane]	ND		7.3	4.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4,5-Trichlorophenol	ND		38	9.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4,6-Trichlorophenol	ND		38	8.6	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4-Dichlorophenol	ND		7.3	2.0	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4-Dimethylphenol	**150**		38	23	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4-Dinitrophenol	ND		380	130	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,4-Dinitrotoluene	ND		38	14	ug/L		05/15/26 02:48	05/18/26 18:32	40
2,6-Dinitrotoluene	ND		38	6.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Chloronaphthalene	ND		7.3	2.3	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Chlorophenol	ND		38	8.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Methylnaphthalene	**86**		7.3	2.4	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Methylphenol	**220**		38	21	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Nitroaniline	ND		190	21	ug/L		05/15/26 02:48	05/18/26 18:32	40
2-Nitrophenol	ND		38	7.4	ug/L		05/15/26 02:48	05/18/26 18:32	40
3,3'-Dichlorobenzidine	ND	*+	38	22	ug/L		05/15/26 02:48	05/18/26 18:32	40
3-Nitroaniline	ND		190	17	ug/L		05/15/26 02:48	05/18/26 18:32	40
4,6-Dinitro-2-methylphenol	ND	*+	190	57	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Bromophenyl phenyl ether	ND		38	12	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Chloro-3-methylphenol	ND		38	17	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Chloroaniline	ND		38	14	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Chlorophenyl phenyl ether	ND		38	8.5	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Nitroaniline	ND		190	14	ug/L		05/15/26 02:48	05/18/26 18:32	40
4-Nitrophenol	ND		190	36	ug/L		05/15/26 02:48	05/18/26 18:32	40
Acenaphthene	**37**		7.3	2.5	ug/L		05/15/26 02:48	05/18/26 18:32	40
Acenaphthylene	**63**		7.3	2.5	ug/L		05/15/26 02:48	05/18/26 18:32	40
Acetophenone	**16**	**J**	38	6.1	ug/L		05/15/26 02:48	05/18/26 18:32	40
Anthracene	**4.7**	**J**	7.3	1.9	ug/L		05/15/26 02:48	05/18/26 18:32	40
Atrazine	ND		38	11	ug/L		05/15/26 02:48	05/18/26 18:32	40
Benzaldehyde	ND		38	21	ug/L		05/15/26 02:48	05/18/26 18:32	40
Benzo[a]anthracene	ND		7.3	2.9	ug/L		05/15/26 02:48	05/18/26 18:32	40
Benzo[a]pyrene	ND		7.3	4.9	ug/L		05/15/26 02:48	05/18/26 18:32	40
Benzo[b]fluoranthene	ND		7.3	3.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
Benzo[g,h,i]perylene	ND		7.3	2.7	ug/L		05/15/26 02:48	05/18/26 18:32	40

Client Sample ID: MW-15
Date Collected: 05/12/26 15:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-12
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		7.3	3.4	ug/L		05/15/26 02:48	05/18/26 18:32	40
Bis(2-chloroethoxy)methane	ND		38	5.8	ug/L		05/15/26 02:48	05/18/26 18:32	40
Bis(2-chloroethyl)ether	ND		7.3	5.4	ug/L		05/15/26 02:48	05/18/26 18:32	40
Bis(2-ethylhexyl) phthalate	ND		380	80	ug/L		05/15/26 02:48	05/18/26 18:32	40
Butyl benzyl phthalate	ND		77	36	ug/L		05/15/26 02:48	05/18/26 18:32	40
Caprolactam	ND		190	26	ug/L		05/15/26 02:48	05/18/26 18:32	40
Carbazole	**110**		7.3	2.0	ug/L		05/15/26 02:48	05/18/26 18:32	40
Chrysene	ND		7.3	3.1	ug/L		05/15/26 02:48	05/18/26 18:32	40
Dibenz(a,h)anthracene	ND		7.3	2.8	ug/L		05/15/26 02:48	05/18/26 18:32	40
Dibenzofuran	**32**	**J**	38	7.3	ug/L		05/15/26 02:48	05/18/26 18:32	40
Diethyl phthalate	ND		38	9.6	ug/L		05/15/26 02:48	05/18/26 18:32	40
Dimethyl phthalate	ND		77	7.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
Di-n-butyl phthalate	ND		38	15	ug/L		05/15/26 02:48	05/18/26 18:32	40
Di-n-octyl phthalate	ND		38	26	ug/L		05/15/26 02:48	05/18/26 18:32	40
Fluoranthene	**6.4**	**J**	7.3	2.3	ug/L		05/15/26 02:48	05/18/26 18:32	40
Fluorene	**35**		7.3	2.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
Hexachlorobenzene	ND		7.3	2.2	ug/L		05/15/26 02:48	05/18/26 18:32	40
Hexachlorobutadiene	ND		7.3	6.0	ug/L		05/15/26 02:48	05/18/26 18:32	40
Hexachlorocyclopentadiene	ND		38	19	ug/L		05/15/26 02:48	05/18/26 18:32	40
Hexachloroethane	ND		38	12	ug/L		05/15/26 02:48	05/18/26 18:32	40
Indeno[1,2,3-cd]pyrene	ND		7.3	3.3	ug/L		05/15/26 02:48	05/18/26 18:32	40
Isophorone	ND	*+	38	7.2	ug/L		05/15/26 02:48	05/18/26 18:32	40
Methylphenol, 3 & 4	**480**	***+**	38	14	ug/L		05/15/26 02:48	05/18/26 18:32	40
Naphthalene	**2900**	**E ES**	7.3	2.3	ug/L		05/15/26 02:48	05/18/26 18:32	40
Nitrobenzene	ND	*+	77	19	ug/L		05/15/26 02:48	05/18/26 18:32	40
N-Nitrosodi-n-propylamine	ND	*+	7.3	2.7	ug/L		05/15/26 02:48	05/18/26 18:32	40
N-Nitrosodiphenylamine	ND		38	9.6	ug/L		05/15/26 02:48	05/18/26 18:32	40
Pentachlorophenol	ND		190	33	ug/L		05/15/26 02:48	05/18/26 18:32	40
Phenanthrene	**30**		7.3	6.0	ug/L		05/15/26 02:48	05/18/26 18:32	40
Phenol	**670**		38	19	ug/L		05/15/26 02:48	05/18/26 18:32	40
Pyrene	ND		7.3	4.3	ug/L		05/15/26 02:48	05/18/26 18:32	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/15/26 02:48*	*05/18/26 18:32*	*40*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 18:32*	*40*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 18:32*	*40*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/15/26 02:48*	*05/18/26 18:32*	*40*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/15/26 02:48*	*05/18/26 18:32*	*40*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/15/26 02:48*	*05/18/26 18:32*	*40*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		290	41	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,2'-oxybis[1-chloropropane]	ND		55	35	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4,5-Trichlorophenol	ND		290	73	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4,6-Trichlorophenol	ND		290	65	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4-Dichlorophenol	ND		55	15	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4-Dimethylphenol	ND		290	170	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4-Dinitrophenol	ND		2900	940	ug/L		05/15/26 02:48	05/18/26 23:13	300
2,4-Dinitrotoluene	ND		290	100	ug/L		05/15/26 02:48	05/18/26 23:13	300

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-15
Date Collected: 05/12/26 15:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-12
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		290	50	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Chloronaphthalene	ND		55	17	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Chlorophenol	ND		290	65	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Methylnaphthalene	**89**		55	18	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Methylphenol	**210**	**J**	290	160	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Nitroaniline	ND		1400	160	ug/L		05/15/26 02:48	05/18/26 23:13	300
2-Nitrophenol	ND		290	56	ug/L		05/15/26 02:48	05/18/26 23:13	300
3,3'-Dichlorobenzidine	ND	*+	290	170	ug/L		05/15/26 02:48	05/18/26 23:13	300
3-Nitroaniline	ND		1400	130	ug/L		05/15/26 02:48	05/18/26 23:13	300
4,6-Dinitro-2-methylphenol	ND	*+	1400	420	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Bromophenyl phenyl ether	ND		290	92	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Chloro-3-methylphenol	ND		290	130	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Chloroaniline	ND		290	110	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Chlorophenyl phenyl ether	ND		290	64	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Nitroaniline	ND		1400	100	ug/L		05/15/26 02:48	05/18/26 23:13	300
4-Nitrophenol	ND		1400	270	ug/L		05/15/26 02:48	05/18/26 23:13	300
Acenaphthene	**51**	**J**	55	19	ug/L		05/15/26 02:48	05/18/26 23:13	300
Acenaphthylene	**73**		55	19	ug/L		05/15/26 02:48	05/18/26 23:13	300
Acetophenone	ND		290	46	ug/L		05/15/26 02:48	05/18/26 23:13	300
Anthracene	ND		55	14	ug/L		05/15/26 02:48	05/18/26 23:13	300
Atrazine	ND		290	85	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzaldehyde	ND		290	160	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzo[a]anthracene	ND		55	22	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzo[a]pyrene	ND		55	37	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzo[b]fluoranthene	ND		55	28	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzo[g,h,i]perylene	ND		55	20	ug/L		05/15/26 02:48	05/18/26 23:13	300
Benzo[k]fluoranthene	ND		55	25	ug/L		05/15/26 02:48	05/18/26 23:13	300
Bis(2-chloroethoxy)methane	ND		290	44	ug/L		05/15/26 02:48	05/18/26 23:13	300
Bis(2-chloroethyl)ether	ND		55	40	ug/L		05/15/26 02:48	05/18/26 23:13	300
Bis(2-ethylhexyl) phthalate	ND		2900	600	ug/L		05/15/26 02:48	05/18/26 23:13	300
Butyl benzyl phthalate	ND		580	270	ug/L		05/15/26 02:48	05/18/26 23:13	300
Caprolactam	ND		1400	200	ug/L		05/15/26 02:48	05/18/26 23:13	300
Carbazole	**130**		55	15	ug/L		05/15/26 02:48	05/18/26 23:13	300
Chrysene	ND		55	23	ug/L		05/15/26 02:48	05/18/26 23:13	300
Dibenz(a,h)anthracene	ND		55	21	ug/L		05/15/26 02:48	05/18/26 23:13	300
Dibenzofuran	ND		290	55	ug/L		05/15/26 02:48	05/18/26 23:13	300
Diethyl phthalate	ND		290	72	ug/L		05/15/26 02:48	05/18/26 23:13	300
Dimethyl phthalate	ND		580	58	ug/L		05/15/26 02:48	05/18/26 23:13	300
Di-n-butyl phthalate	ND		290	110	ug/L		05/15/26 02:48	05/18/26 23:13	300
Di-n-octyl phthalate	ND		290	200	ug/L		05/15/26 02:48	05/18/26 23:13	300
Fluoranthene	ND		55	17	ug/L		05/15/26 02:48	05/18/26 23:13	300
Fluorene	**43**	**J**	55	20	ug/L		05/15/26 02:48	05/18/26 23:13	300
Hexachlorobenzene	ND		55	16	ug/L		05/15/26 02:48	05/18/26 23:13	300
Hexachlorobutadiene	ND		55	45	ug/L		05/15/26 02:48	05/18/26 23:13	300
Hexachlorocyclopentadiene	ND		290	140	ug/L		05/15/26 02:48	05/18/26 23:13	300
Hexachloroethane	ND		290	92	ug/L		05/15/26 02:48	05/18/26 23:13	300
Indeno[1,2,3-cd]pyrene	ND		55	25	ug/L		05/15/26 02:48	05/18/26 23:13	300
Isophorone	ND	*+	290	54	ug/L		05/15/26 02:48	05/18/26 23:13	300
Methylphenol, 3 & 4	**480**	***+**	290	110	ug/L		05/15/26 02:48	05/18/26 23:13	300

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: MW-15
Date Collected: 05/12/26 15:30
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-12
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**3400**		55	17	ug/L		05/15/26 02:48	05/18/26 23:13	300
Nitrobenzene	ND	*+	580	140	ug/L		05/15/26 02:48	05/18/26 23:13	300
N-Nitrosodi-n-propylamine	ND	*+	55	20	ug/L		05/15/26 02:48	05/18/26 23:13	300
N-Nitrosodiphenylamine	ND		290	72	ug/L		05/15/26 02:48	05/18/26 23:13	300
Pentachlorophenol	ND		1400	240	ug/L		05/15/26 02:48	05/18/26 23:13	300
Phenanthrene	ND		55	45	ug/L		05/15/26 02:48	05/18/26 23:13	300
Phenol	**720**		290	140	ug/L		05/15/26 02:48	05/18/26 23:13	300
Pyrene	ND		55	32	ug/L		05/15/26 02:48	05/18/26 23:13	300

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/15/26 02:48*	*05/18/26 23:13*	*300*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 23:13*	*300*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/15/26 02:48*	*05/18/26 23:13*	*300*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/15/26 02:48*	*05/18/26 23:13*	*300*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/15/26 02:48*	*05/18/26 23:13*	*300*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/15/26 02:48*	*05/18/26 23:13*	*300*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: TB-2

Date Collected: 05/12/26 00:00
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 00:39	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/23/26 00:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 00:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 00:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 00:39	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/23/26 00:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
2-Butanone	ND		5.0	1.0	ug/L			05/23/26 00:39	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 00:39	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 00:39	1
Acetone	**5.2**		5.0	1.5	ug/L			05/23/26 00:39	1
Benzene	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 00:39	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 00:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 00:39	1
Chloromethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Freon 113	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/23/26 00:39	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Methylene Chloride	**0.93**		0.50	0.20	ug/L			05/23/26 00:39	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 00:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 00:39	1
Toluene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 00:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 00:39	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 00:39	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 00:39	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

Client Sample ID: TB-2
Date Collected: 05/12/26 00:00
Date Received: 05/13/26 09:30

Lab Sample ID: 180-205320-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		05/23/26 00:39	1
4-Bromofluorobenzene (Surr)	105		80 - 120		05/23/26 00:39	1
Dibromofluoromethane (Surr)	100		80 - 120		05/23/26 00:39	1
Toluene-d8 (Surr)	107		80 - 120		05/23/26 00:39	1

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

Lab Sample ID: MB 410-822809/31
Matrix: Water
Analysis Batch: 822809

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		0.50	0.080	ug/L			05/23/26 07:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 07:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 07:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 07:15	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/23/26 07:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
2-Butanone	ND	*3	5.0	1.0	ug/L			05/23/26 07:15	1
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/23/26 07:15	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/23/26 07:15	1
Acetone	ND	*3	5.0	1.5	ug/L			05/23/26 07:15	1
Benzene	0.188	J B	0.50	0.10	ug/L			05/23/26 07:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 07:15	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 07:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 07:15	1
Chloromethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 07:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Freon 113	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/23/26 07:15	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/23/26 07:15	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 07:15	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 07:15	1
Toluene	0.0996	J B	0.50	0.080	ug/L			05/23/26 07:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 07:15	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 07:15	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 07:15	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 07:15	1

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

Lab Sample ID: MB 410-822809/31
Matrix: Water
Analysis Batch: 822809

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/23/26 07:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/23/26 07:15*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 07:15*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/23/26 07:15*	*1*

Lab Sample ID: MB 410-822809/7
Matrix: Water
Analysis Batch: 822809

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		0.50	0.080	ug/L			05/22/26 23:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
2-Butanone	ND		5.0	1.0	ug/L			05/22/26 23:54	1
2-Hexanone	ND		5.0	2.0	ug/L			05/22/26 23:54	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/22/26 23:54	1
Acetone	ND		5.0	1.5	ug/L			05/22/26 23:54	1
Benzene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Bromoform	ND		1.0	0.30	ug/L			05/22/26 23:54	1
Bromomethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/22/26 23:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
Chloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Chloroform	ND		0.50	0.090	ug/L			05/22/26 23:54	1
Chloromethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Cyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Freon 113	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Methyl acetate	ND		1.0	0.20	ug/L			05/22/26 23:54	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:54	1

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

Lab Sample ID: MB 410-822809/7
Matrix: Water
Analysis Batch: 822809

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.20	ug/L			05/22/26 23:54	1
Styrene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/22/26 23:54	1
Toluene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Trichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Xylene (total)	ND		1.0	0.070	ug/L			05/22/26 23:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/22/26 23:54*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/22/26 23:54*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/22/26 23:54*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/22/26 23:54*	*1*

Lab Sample ID: LCS 410-822809/4
Matrix: Water
Analysis Batch: 822809

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	5.00	4.98		ug/L		100	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.03		ug/L		121	75 - 130
1,1,2-Trichloroethane	5.00	5.64		ug/L		113	80 - 120
1,1-Dichloroethane	5.00	5.37		ug/L		107	80 - 128
1,1-Dichloroethene	5.00	4.96		ug/L		99	80 - 131
1,2,4-Trichlorobenzene	5.00	5.21		ug/L		104	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.51		ug/L		110	60 - 124
1,2-Dibromoethane	5.00	5.34		ug/L		107	80 - 120
1,2-Dichlorobenzene	5.00	5.28		ug/L		106	80 - 120
1,2-Dichloroethane	5.00	5.57		ug/L		111	79 - 128
1,2-Dichloropropane	5.00	5.29		ug/L		106	80 - 129
1,3-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 120
1,4-Dichlorobenzene	5.00	5.09		ug/L		102	80 - 120
2-Butanone	62.5	57.4		ug/L		92	67 - 141
2-Hexanone	62.5	65.2		ug/L		104	62 - 151
4-Methyl-2-pentanone	62.5	66.1		ug/L		106	63 - 140
Acetone	62.5	57.2		ug/L		92	60 - 146
Benzene	5.00	4.90		ug/L		98	80 - 120
Bromodichloromethane	5.00	5.11		ug/L		102	80 - 123
Bromoform	5.00	4.48		ug/L		90	67 - 134
Bromomethane	5.00	3.89		ug/L		78	63 - 126
Carbon disulfide	5.00	4.48		ug/L		90	67 - 130
Carbon tetrachloride	5.00	4.79		ug/L		96	77 - 132
Chlorobenzene	5.00	5.16		ug/L		103	80 - 120
Chloroethane	5.00	4.06		ug/L		81	63 - 132
Chloroform	5.00	4.57		ug/L		91	80 - 120

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

Lab Sample ID: LCS 410-822809/4
Matrix: Water
Analysis Batch: 822809

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloromethane			5.00	3.79		ug/L		76	56 - 131		
cis-1,2-Dichloroethene			5.00	4.99		ug/L		100	80 - 122		
cis-1,3-Dichloropropene			5.00	4.98		ug/L		100	75 - 121		
Cyclohexane			5.00	5.15		ug/L		103	69 - 120		
Dibromochloromethane			5.00	4.90		ug/L		98	80 - 123		
Dichlorodifluoromethane			5.00	3.43		ug/L		69	43 - 137		
Ethylbenzene			5.00	5.33		ug/L		107	80 - 120		
Freon 113			5.00	4.90		ug/L		98	61 - 124		
Isopropylbenzene			5.00	5.31		ug/L		106	87 - 133		
Methyl acetate			5.00	6.45		ug/L		129	45 - 143		
Methyl tertiary butyl ether			5.00	5.20		ug/L		104	69 - 120		
Methylcyclohexane			5.00	5.06		ug/L		101	69 - 126		
Methylene Chloride			5.00	5.86		ug/L		117	80 - 120		
Styrene			5.00	5.17		ug/L		103	80 - 120		
Tetrachloroethene			5.00	4.54		ug/L		91	80 - 120		
Toluene			5.00	5.11		ug/L		102	80 - 120		
trans-1,2-Dichloroethene			5.00	4.88		ug/L		98	80 - 122		
trans-1,3-Dichloropropene			5.00	5.63		ug/L		113	76 - 123		
Trichloroethene			5.00	4.87		ug/L		97	80 - 120		
Trichlorofluoromethane			5.00	3.06		ug/L		61	53 - 136		
Vinyl chloride			5.00	3.92		ug/L		78	60 - 125		
Xylene (total)			15.0	15.2		ug/L		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 410-822809/5
Matrix: Water
Analysis Batch: 822809

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.98		ug/L		100	78 - 126	0	30
1,1,2,2-Tetrachloroethane			5.00	5.90		ug/L		118	75 - 130	2	30
1,1,2-Trichloroethane			5.00	5.48		ug/L		110	80 - 120	3	30
1,1-Dichloroethane			5.00	5.40		ug/L		108	80 - 128	0	30
1,1-Dichloroethene			5.00	4.86		ug/L		97	80 - 131	2	30
1,2,4-Trichlorobenzene			5.00	5.18		ug/L		104	68 - 122	1	30
1,2-Dibromo-3-Chloropropane			5.00	5.47		ug/L		109	60 - 124	1	30
1,2-Dibromoethane			5.00	5.48		ug/L		110	80 - 120	3	30
1,2-Dichlorobenzene			5.00	5.31		ug/L		106	80 - 120	0	30
1,2-Dichloroethane			5.00	5.74		ug/L		115	79 - 128	3	30
1,2-Dichloropropane			5.00	5.33		ug/L		107	80 - 129	1	30
1,3-Dichlorobenzene			5.00	5.20		ug/L		104	80 - 120	0	30
1,4-Dichlorobenzene			5.00	5.12		ug/L		102	80 - 120	1	30
2-Butanone			62.5	62.8		ug/L		101	67 - 141	9	30

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

Lab Sample ID: LCSD 410-822809/5
Matrix: Water
Analysis Batch: 822809

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			62.5	63.5		ug/L		102	62 - 151	3	30
4-Methyl-2-pentanone			62.5	64.1		ug/L		103	63 - 140	3	30
Acetone			62.5	58.7		ug/L		94	60 - 146	2	30
Benzene			5.00	4.90		ug/L		98	80 - 120	0	30
Bromodichloromethane			5.00	5.09		ug/L		102	80 - 123	0	30
Bromoform			5.00	4.48		ug/L		90	67 - 134	0	30
Bromomethane			5.00	3.81		ug/L		76	63 - 126	2	30
Carbon disulfide			5.00	4.55		ug/L		91	67 - 130	1	30
Carbon tetrachloride			5.00	4.83		ug/L		97	77 - 132	1	30
Chlorobenzene			5.00	5.15		ug/L		103	80 - 120	0	30
Chloroethane			5.00	4.05		ug/L		81	63 - 132	0	30
Chloroform			5.00	4.61		ug/L		92	80 - 120	1	30
Chloromethane			5.00	3.73		ug/L		75	56 - 131	2	30
cis-1,2-Dichloroethene			5.00	5.03		ug/L		101	80 - 122	1	30
cis-1,3-Dichloropropene			5.00	5.00		ug/L		100	75 - 121	0	30
Cyclohexane			5.00	5.18		ug/L		104	69 - 120	1	30
Dibromochloromethane			5.00	4.88		ug/L		98	80 - 123	0	30
Dichlorodifluoromethane			5.00	3.41		ug/L		68	43 - 137	0	30
Ethylbenzene			5.00	5.30		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.94		ug/L		99	61 - 124	1	30
Isopropylbenzene			5.00	5.26		ug/L		105	87 - 133	1	30
Methyl acetate			5.00	6.10		ug/L		122	45 - 143	6	30
Methyl tertiary butyl ether			5.00	5.22		ug/L		104	69 - 120	1	30
Methylcyclohexane			5.00	5.02		ug/L		100	69 - 126	1	30
Methylene Chloride			5.00	5.85		ug/L		117	80 - 120	0	30
Styrene			5.00	5.17		ug/L		103	80 - 120	0	30
Tetrachloroethene			5.00	4.56		ug/L		91	80 - 120	1	30
Toluene			5.00	5.10		ug/L		102	80 - 120	0	30
trans-1,2-Dichloroethene			5.00	4.79		ug/L		96	80 - 122	2	30
trans-1,3-Dichloropropene			5.00	5.74		ug/L		115	76 - 123	2	30
Trichloroethene			5.00	4.85		ug/L		97	80 - 120	0	30
Trichlorofluoromethane			5.00	3.07		ug/L		61	53 - 136	0	30
Vinyl chloride			5.00	3.96		ug/L		79	60 - 125	1	30
Xylene (total)			15.0	15.4		ug/L		103	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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		0.50	0.080	ug/L			05/26/26 12:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205320-1

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

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
2-Butanone	ND		5.0	1.0	ug/L			05/26/26 12:32	1
2-Hexanone	ND		5.0	2.0	ug/L			05/26/26 12:32	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/26/26 12:32	1
Acetone	ND		5.0	1.5	ug/L			05/26/26 12:32	1
Benzene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Bromoform	ND		1.0	0.30	ug/L			05/26/26 12:32	1
Bromomethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/26/26 12:32	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
Chloroethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Chloroform	ND		0.50	0.090	ug/L			05/26/26 12:32	1
Chloromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Cyclohexane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Freon 113	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Methyl acetate	ND		1.0	0.20	ug/L			05/26/26 12:32	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/26/26 12:32	1
Styrene	ND		0.50	0.070	ug/L			05/26/26 12:32	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/26/26 12:32	1
Toluene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/26/26 12:32	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Trichloroethene	ND		0.50	0.080	ug/L			05/26/26 12:32	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/26/26 12:32	1
Xylene (total)	ND		1.0	0.070	ug/L			05/26/26 12:32	1

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

Lab Sample ID: MB 410-823638/10
Matrix: Water
Analysis Batch: 823638

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/26/26 12:32	1
4-Bromofluorobenzene (Surr)	106		80 - 120		05/26/26 12:32	1
Dibromofluoromethane (Surr)	100		80 - 120		05/26/26 12:32	1
Toluene-d8 (Surr)	109		80 - 120		05/26/26 12:32	1

Lab Sample ID: LCS 410-823638/5
Matrix: Water
Analysis Batch: 823638

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	5.00	5.09		ug/L		102	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.20		ug/L		124	75 - 130
1,1,2-Trichloroethane	5.00	5.59		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.65		ug/L		113	80 - 128
1,1-Dichloroethene	5.00	5.06		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	5.00	5.00		ug/L		100	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.34		ug/L		107	60 - 124
1,2-Dibromoethane	5.00	5.45		ug/L		109	80 - 120
1,2-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 120
1,2-Dichloroethane	5.00	5.79		ug/L		116	79 - 128
1,2-Dichloropropane	5.00	5.55		ug/L		111	80 - 129
1,3-Dichlorobenzene	5.00	5.17		ug/L		103	80 - 120
1,4-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
2-Butanone	62.5	71.2		ug/L		114	67 - 141
2-Hexanone	62.5	72.7		ug/L		116	62 - 151
4-Methyl-2-pentanone	62.5	73.5		ug/L		118	63 - 140
Acetone	62.5	63.5		ug/L		102	60 - 146
Benzene	5.00	5.08		ug/L		102	80 - 120
Bromodichloromethane	5.00	5.16		ug/L		103	80 - 123
Bromoform	5.00	4.53		ug/L		91	67 - 134
Bromomethane	5.00	4.31		ug/L		86	63 - 126
Carbon disulfide	5.00	5.04		ug/L		101	67 - 130
Carbon tetrachloride	5.00	4.86		ug/L		97	77 - 132
Chlorobenzene	5.00	5.15		ug/L		103	80 - 120
Chloroethane	5.00	4.57		ug/L		91	63 - 132
Chloroform	5.00	4.67		ug/L		93	80 - 120
Chloromethane	5.00	4.66		ug/L		93	56 - 131
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
cis-1,3-Dichloropropene	5.00	5.12		ug/L		102	75 - 121
Cyclohexane	5.00	5.25		ug/L		105	69 - 120
Dibromochloromethane	5.00	4.89		ug/L		98	80 - 123
Dichlorodifluoromethane	5.00	4.68		ug/L		94	43 - 137
Ethylbenzene	5.00	5.36		ug/L		107	80 - 120
Freon 113	5.00	4.99		ug/L		100	61 - 124
Isopropylbenzene	5.00	5.25		ug/L		105	87 - 133
Methyl acetate	5.00	4.34		ug/L		87	45 - 143
Methyl tertiary butyl ether	5.00	5.18		ug/L		104	69 - 120
Methylcyclohexane	5.00	4.88		ug/L		98	69 - 126

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

Lab Sample ID: LCS 410-823638/5
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			5.00	6.00		ug/L		120	80 - 120		
Styrene			5.00	5.14		ug/L		103	80 - 120		
Tetrachloroethene			5.00	4.42		ug/L		88	80 - 120		
Toluene			5.00	5.24		ug/L		105	80 - 120		
trans-1,2-Dichloroethene			5.00	5.00		ug/L		100	80 - 122		
trans-1,3-Dichloropropene			5.00	5.83		ug/L		117	76 - 123		
Trichloroethene			5.00	4.93		ug/L		99	80 - 120		
Trichlorofluoromethane			5.00	3.27		ug/L		65	53 - 136		
Vinyl chloride			5.00	4.66		ug/L		93	60 - 125		
Xylene (total)			15.0	15.4		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 410-823638/6
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.93		ug/L		99	78 - 126	3	30
1,1,2,2-Tetrachloroethane			5.00	6.00		ug/L		120	75 - 130	3	30
1,1,2-Trichloroethane			5.00	5.61		ug/L		112	80 - 120	0	30
1,1-Dichloroethane			5.00	5.44		ug/L		109	80 - 128	4	30
1,1-Dichloroethene			5.00	4.87		ug/L		97	80 - 131	4	30
1,2,4-Trichlorobenzene			5.00	4.81		ug/L		96	68 - 122	4	30
1,2-Dibromo-3-Chloropropane			5.00	5.23		ug/L		105	60 - 124	2	30
1,2-Dibromoethane			5.00	5.34		ug/L		107	80 - 120	2	30
1,2-Dichlorobenzene			5.00	5.09		ug/L		102	80 - 120	3	30
1,2-Dichloroethane			5.00	5.63		ug/L		113	79 - 128	3	30
1,2-Dichloropropane			5.00	5.42		ug/L		108	80 - 129	2	30
1,3-Dichlorobenzene			5.00	4.99		ug/L		100	80 - 120	4	30
1,4-Dichlorobenzene			5.00	4.95		ug/L		99	80 - 120	2	30
2-Butanone			62.5	68.7		ug/L		110	67 - 141	4	30
2-Hexanone			62.5	69.9		ug/L		112	62 - 151	4	30
4-Methyl-2-pentanone			62.5	71.1		ug/L		114	63 - 140	3	30
Acetone			62.5	64.3		ug/L		103	60 - 146	1	30
Benzene			5.00	4.94		ug/L		99	80 - 120	3	30
Bromodichloromethane			5.00	5.08		ug/L		102	80 - 123	1	30
Bromoform			5.00	4.51		ug/L		90	67 - 134	1	30
Bromomethane			5.00	4.10		ug/L		82	63 - 126	5	30
Carbon disulfide			5.00	4.80		ug/L		96	67 - 130	5	30
Carbon tetrachloride			5.00	4.67		ug/L		93	77 - 132	4	30
Chlorobenzene			5.00	5.10		ug/L		102	80 - 120	1	30
Chloroethane			5.00	4.35		ug/L		87	63 - 132	5	30
Chloroform			5.00	4.50		ug/L		90	80 - 120	4	30

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

Lab Sample ID: LCSD 410-823638/6
Matrix: Water
Analysis Batch: 823638

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			5.00	4.47		ug/L		89	56 - 131	4	30
cis-1,2-Dichloroethene			5.00	4.88		ug/L		98	80 - 122	5	30
cis-1,3-Dichloropropene			5.00	5.00		ug/L		100	75 - 121	2	30
Cyclohexane			5.00	5.10		ug/L		102	69 - 120	3	30
Dibromochloromethane			5.00	4.83		ug/L		97	80 - 123	1	30
Dichlorodifluoromethane			5.00	4.46		ug/L		89	43 - 137	5	30
Ethylbenzene			5.00	5.28		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.73		ug/L		95	61 - 124	5	30
Isopropylbenzene			5.00	5.16		ug/L		103	87 - 133	2	30
Methyl acetate			5.00	4.51		ug/L		90	45 - 143	4	30
Methyl tertiary butyl ether			5.00	5.13		ug/L		103	69 - 120	1	30
Methylcyclohexane			5.00	4.75		ug/L		95	69 - 126	3	30
Methylene Chloride			5.00	5.84		ug/L		117	80 - 120	3	30
Styrene			5.00	5.07		ug/L		101	80 - 120	1	30
Tetrachloroethene			5.00	4.41		ug/L		88	80 - 120	0	30
Toluene			5.00	5.17		ug/L		103	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	4.78		ug/L		96	80 - 122	5	30
trans-1,3-Dichloropropene			5.00	5.71		ug/L		114	76 - 123	2	30
Trichloroethene			5.00	4.81		ug/L		96	80 - 120	3	30
Trichlorofluoromethane			5.00	3.06		ug/L		61	53 - 136	7	30
Vinyl chloride			5.00	4.45		ug/L		89	60 - 125	5	30
Xylene (total)			15.0	15.1		ug/L		100	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-513838/1-A
Matrix: Water
Analysis Batch: 513919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/15/26 02:48	05/18/26 10:48	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/15/26 02:48	05/18/26 10:48	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/15/26 02:48	05/18/26 10:48	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/15/26 02:48	05/18/26 10:48	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/15/26 02:48	05/18/26 10:48	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/15/26 02:48	05/18/26 10:48	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513838/1-A
Matrix: Water
Analysis Batch: 513919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		5.0	0.55	ug/L		05/15/26 02:48	05/18/26 10:48	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/15/26 02:48	05/18/26 10:48	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/15/26 02:48	05/18/26 10:48	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/15/26 02:48	05/18/26 10:48	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/15/26 02:48	05/18/26 10:48	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/15/26 02:48	05/18/26 10:48	1
Acenaphthene	ND		0.19	0.065	ug/L		05/15/26 02:48	05/18/26 10:48	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/15/26 02:48	05/18/26 10:48	1
Acetophenone	ND		1.0	0.16	ug/L		05/15/26 02:48	05/18/26 10:48	1
Anthracene	ND		0.19	0.049	ug/L		05/15/26 02:48	05/18/26 10:48	1
Atrazine	ND		1.0	0.30	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/15/26 02:48	05/18/26 10:48	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/15/26 02:48	05/18/26 10:48	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/15/26 02:48	05/18/26 10:48	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/15/26 02:48	05/18/26 10:48	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/15/26 02:48	05/18/26 10:48	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/15/26 02:48	05/18/26 10:48	1
Caprolactam	ND		5.0	0.68	ug/L		05/15/26 02:48	05/18/26 10:48	1
Carbazole	ND		0.19	0.051	ug/L		05/15/26 02:48	05/18/26 10:48	1
Chrysene	ND		0.19	0.081	ug/L		05/15/26 02:48	05/18/26 10:48	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/15/26 02:48	05/18/26 10:48	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/15/26 02:48	05/18/26 10:48	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 10:48	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/15/26 02:48	05/18/26 10:48	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/15/26 02:48	05/18/26 10:48	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/15/26 02:48	05/18/26 10:48	1
Fluoranthene	ND		0.19	0.060	ug/L		05/15/26 02:48	05/18/26 10:48	1
Fluorene	ND		0.19	0.069	ug/L		05/15/26 02:48	05/18/26 10:48	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/15/26 02:48	05/18/26 10:48	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/15/26 02:48	05/18/26 10:48	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/15/26 02:48	05/18/26 10:48	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/15/26 02:48	05/18/26 10:48	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/15/26 02:48	05/18/26 10:48	1
Isophorone	ND		1.0	0.19	ug/L		05/15/26 02:48	05/18/26 10:48	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/15/26 02:48	05/18/26 10:48	1
Naphthalene	ND		0.19	0.059	ug/L		05/15/26 02:48	05/18/26 10:48	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/15/26 02:48	05/18/26 10:48	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/15/26 02:48	05/18/26 10:48	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/15/26 02:48	05/18/26 10:48	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/15/26 02:48	05/18/26 10:48	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513838/1-A
Matrix: Water
Analysis Batch: 513919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.19	0.16	ug/L		05/15/26 02:48	05/18/26 10:48	1
Phenol	ND		1.0	0.49	ug/L		05/15/26 02:48	05/18/26 10:48	1
Pyrene	ND		0.19	0.11	ug/L		05/15/26 02:48	05/18/26 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*23 - 128*	*05/15/26 02:48*	*05/18/26 10:48*	*1*
2-Fluorobiphenyl	*78*		*20 - 105*	*05/15/26 02:48*	*05/18/26 10:48*	*1*
2-Fluorophenol (Surr)	*85*		*20 - 105*	*05/15/26 02:48*	*05/18/26 10:48*	*1*
Nitrobenzene-d5 (Surr)	*83*		*20 - 107*	*05/15/26 02:48*	*05/18/26 10:48*	*1*
Phenol-d5 (Surr)	*85*		*20 - 106*	*05/15/26 02:48*	*05/18/26 10:48*	*1*
Terphenyl-d14 (Surr)	*81*		*22 - 120*	*05/15/26 02:48*	*05/18/26 10:48*	*1*

Lab Sample ID: LCS 180-513838/2-A
Matrix: Water
Analysis Batch: 513919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	17.1		ug/L		85	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	16.9		ug/L		85	29 - 102
2,4,5-Trichlorophenol	20.0	19.8		ug/L		99	55 - 100
2,4,6-Trichlorophenol	20.0	19.6		ug/L		98	54 - 100
2,4-Dichlorophenol	20.0	18.7		ug/L		94	55 - 100
2,4-Dimethylphenol	20.0	18.9		ug/L		95	51 - 100
2,4-Dinitrophenol	40.0	38.3		ug/L		96	32 - 100
2,4-Dinitrotoluene	20.0	18.8		ug/L		94	56 - 100
2,6-Dinitrotoluene	20.0	18.4		ug/L		92	56 - 101
2-Chloronaphthalene	20.0	19.9		ug/L		99	52 - 100
2-Chlorophenol	20.0	17.6		ug/L		88	53 - 100
2-Methylnaphthalene	20.0	16.7		ug/L		83	53 - 100
2-Methylphenol	20.0	19.4		ug/L		97	51 - 100
2-Nitroaniline	20.0	18.4		ug/L		92	47 - 104
2-Nitrophenol	20.0	20.0		ug/L		100	56 - 100
3,3'-Dichlorobenzidine	20.0	21.0	*+	ug/L		105	42 - 100
3-Nitroaniline	20.0	18.3		ug/L		92	54 - 100
4,6-Dinitro-2-methylphenol	40.0	40.8	*+	ug/L		102	48 - 100
4-Bromophenyl phenyl ether	20.0	18.2		ug/L		91	50 - 100
4-Chloro-3-methylphenol	20.0	18.6		ug/L		93	47 - 105
4-Chloroaniline	20.0	18.1		ug/L		91	48 - 100
4-Chlorophenyl phenyl ether	20.0	18.4		ug/L		92	52 - 100
4-Nitroaniline	20.0	19.5		ug/L		98	54 - 100
4-Nitrophenol	40.0	34.8		ug/L		87	37 - 120
Acenaphthene	20.0	16.8		ug/L		84	51 - 100
Acenaphthylene	20.0	17.3		ug/L		87	54 - 100
Acetophenone	20.0	18.5		ug/L		92	46 - 100
Anthracene	20.0	16.4		ug/L		82	54 - 100
Atrazine	20.0	16.8		ug/L		84	50 - 100
Benzaldehyde	20.0	10.1		ug/L		50	25 - 114
Benzo[a]anthracene	20.0	17.1		ug/L		85	52 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513838/2-A
Matrix: Water
Analysis Batch: 513919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	20.0	15.1		ug/L		75	52 - 100
Benzo[b]fluoranthene	20.0	17.1		ug/L		85	50 - 100
Benzo[g,h,i]perylene	20.0	15.8		ug/L		79	53 - 100
Benzo[k]fluoranthene	20.0	15.8		ug/L		79	49 - 100
Bis(2-chloroethoxy)methane	20.0	16.3		ug/L		82	49 - 100
Bis(2-chloroethyl)ether	20.0	19.4		ug/L		97	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	17.0		ug/L		85	52 - 101
Butyl benzyl phthalate	20.0	17.7		ug/L		88	52 - 100
Caprolactam	20.0	20.7		ug/L		104	46 - 111
Carbazole	20.0	16.9		ug/L		85	55 - 100
Chrysene	20.0	17.2		ug/L		86	51 - 100
Dibenz(a,h)anthracene	20.0	18.9		ug/L		94	52 - 101
Dibenzofuran	20.0	16.9		ug/L		85	53 - 100
Diethyl phthalate	20.0	16.7		ug/L		84	52 - 100
Dimethyl phthalate	20.0	17.8		ug/L		89	55 - 100
Di-n-butyl phthalate	20.0	17.3		ug/L		86	57 - 100
Di-n-octyl phthalate	20.0	12.2		ug/L		61	41 - 100
Fluoranthene	20.0	17.2		ug/L		86	56 - 100
Fluorene	20.0	17.4		ug/L		87	53 - 100
Hexachlorobenzene	20.0	18.4		ug/L		92	46 - 100
Hexachlorobutadiene	20.0	17.5		ug/L		88	42 - 101
Hexachlorocyclopentadiene	20.0	15.1		ug/L		75	38 - 102
Hexachloroethane	20.0	18.1		ug/L		90	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	17.8		ug/L		89	54 - 100
Isophorone	20.0	20.6	*+	ug/L		103	50 - 100
Methylphenol, 3 & 4	20.0	20.9	*+	ug/L		104	51 - 100
Naphthalene	20.0	16.8		ug/L		84	53 - 100
Nitrobenzene	20.0	20.5	*+	ug/L		102	47 - 100
N-Nitrosodi-n-propylamine	20.0	20.9	*+	ug/L		104	43 - 103
N-Nitrosodiphenylamine	20.0	17.2		ug/L		86	53 - 100
Pentachlorophenol	40.0	33.7		ug/L		84	35 - 102
Phenanthrene	20.0	15.8		ug/L		79	53 - 100
Phenol	20.0	18.6		ug/L		93	49 - 100
Pyrene	20.0	16.3		ug/L		82	53 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*23 - 128*
2-Fluorobiphenyl	*89*		*20 - 105*
2-Fluorophenol (Surr)	*94*		*20 - 105*
Nitrobenzene-d5 (Surr)	*101*		*20 - 107*
Phenol-d5 (Surr)	*96*		*20 - 106*
Terphenyl-d14 (Surr)	*87*		*22 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-817629/5
Matrix: Water
Analysis Batch: 817629

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 08:24	1

Lab Sample ID: LCS 410-817629/3
Matrix: Water
Analysis Batch: 817629

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.750	0.7056		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-817629/4
Matrix: Water
Analysis Batch: 817629

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.750	0.7052		mg/L		94	90 - 110	0	20

Lab Sample ID: MB 410-817657/19
Matrix: Water
Analysis Batch: 817657

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/14/26 10:58	1

Lab Sample ID: LCS 410-817657/17
Matrix: Water
Analysis Batch: 817657

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.750	0.7090		mg/L		95	90 - 110

Lab Sample ID: LCSD 410-817657/18
Matrix: Water
Analysis Batch: 817657

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.750	0.7130		mg/L		95	90 - 110	1	20

Lab Sample ID: 180-205320-10 MS
Matrix: Water
Analysis Batch: 817657

Client Sample ID: MW-41
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	ND	FH	0.500	0.6546	FH	mg/L		131	90 - 110

Lab Sample ID: 180-205320-10 DU
Matrix: Water
Analysis Batch: 817657

Client Sample ID: MW-41
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	ND	FH	ND		mg/L		NC	15

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-817658/19
Matrix: Water
Analysis Batch: 817658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/14/26 10:58	1
Sulfate	ND		1.50	0.500	mg/L			05/14/26 10:58	1

Lab Sample ID: LCS 410-817658/17
Matrix: Water
Analysis Batch: 817658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.854		mg/L		95	90 - 110
Sulfate	7.50	7.047		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-817658/18
Matrix: Water
Analysis Batch: 817658

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.00	2.857		mg/L		95	90 - 110	0	20
Sulfate	7.50	7.014		mg/L		94	90 - 110	0	20

Lab Sample ID: 180-205320-10 MS
Matrix: Water
Analysis Batch: 817658

Client Sample ID: MW-41
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.16		2.00	7.102		mg/L		97	90 - 110
Sulfate	2.79		5.00	7.890		mg/L		102	90 - 110

Lab Sample ID: 180-205320-10 DU
Matrix: Water
Analysis Batch: 817658

Client Sample ID: MW-41
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	5.16		5.181		mg/L		0.4	15
Sulfate	2.79		2.769		mg/L		0.8	15

Lab Sample ID: MB 410-819985/5
Matrix: Water
Analysis Batch: 819985

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/18/26 08:25	1
Sulfate	ND		1.50	0.500	mg/L			05/18/26 08:25	1

Lab Sample ID: LCS 410-819985/3
Matrix: Water
Analysis Batch: 819985

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.831		mg/L		94	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 410-819985/4
Matrix: Water
Analysis Batch: 819985

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.827		mg/L		94	90 - 110	0	20

Lab Sample ID: MB 410-820010/5
Matrix: Water
Analysis Batch: 820010

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/18/26 08:02	1
Sulfate	ND		1.50	0.500	mg/L			05/18/26 08:02	1

Lab Sample ID: LCS 410-820010/3
Matrix: Water
Analysis Batch: 820010

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			3.00	2.880		mg/L		96	90 - 110
Sulfate			7.50	7.057		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-820010/4
Matrix: Water
Analysis Batch: 820010

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.885		mg/L		96	90 - 110	0	20
Sulfate			7.50	7.060		mg/L		94	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-821778/1-A
Matrix: Water
Analysis Batch: 822219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	12	ug/L		05/21/26 11:56	05/21/26 21:04	1
Antimony	ND		1.0	0.21	ug/L		05/21/26 11:56	05/21/26 21:04	1
Arsenic	ND		2.1	0.70	ug/L		05/21/26 11:56	05/21/26 21:04	1
Barium	ND		2.1	0.77	ug/L		05/21/26 11:56	05/21/26 21:04	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:56	05/21/26 21:04	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:56	05/21/26 21:04	1
Calcium	ND		120	52	ug/L		05/21/26 11:56	05/21/26 21:04	1
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:56	05/21/26 21:04	1
Cobalt	ND		0.52	0.16	ug/L		05/21/26 11:56	05/21/26 21:04	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:56	05/21/26 21:04	1
Iron	ND		52	21	ug/L		05/21/26 11:56	05/21/26 21:04	1
Lead	ND		0.52	0.12	ug/L		05/21/26 11:56	05/21/26 21:04	1
Magnesium	ND		52	16	ug/L		05/21/26 11:56	05/21/26 21:04	1
Manganese	ND		2.1	0.98	ug/L		05/21/26 11:56	05/21/26 21:04	1
Nickel	ND	^+	1.0	0.41	ug/L		05/21/26 11:56	05/21/26 21:04	1
Potassium	ND		210	67	ug/L		05/21/26 11:56	05/21/26 21:04	1
Selenium	ND		1.0	0.29	ug/L		05/21/26 11:56	05/21/26 21:04	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-821778/1-A
Matrix: Water
Analysis Batch: 822219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.52	0.10	ug/L		05/21/26 11:56	05/21/26 21:04	1
Sodium	ND		210	93	ug/L		05/21/26 11:56	05/21/26 21:04	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:56	05/21/26 21:04	1
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:56	05/21/26 21:04	1
Zinc	ND		10	4.1	ug/L		05/21/26 11:56	05/21/26 21:04	1

Lab Sample ID: LCS 410-821778/2-A
Matrix: Water
Analysis Batch: 822219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4810		ug/L		96	83 - 114
Antimony	100	101		ug/L		101	85 - 115
Arsenic	500	508		ug/L		102	86 - 111
Barium	500	506		ug/L		101	86 - 114
Beryllium	50.0	47.9		ug/L		96	80 - 120
Cadmium	50.0	50.9		ug/L		102	86 - 114
Calcium	5000	5230		ug/L		105	84 - 113
Chromium	500	508		ug/L		102	84 - 113
Cobalt	500	484		ug/L		97	85 - 112
Copper	500	508		ug/L		102	86 - 111
Iron	5000	4990		ug/L		100	84 - 114
Lead	50.0	50.5		ug/L		101	86 - 114
Magnesium	5000	4960		ug/L		99	84 - 113
Manganese	500	502		ug/L		100	84 - 113
Nickel	500	543	^+	ug/L		109	85 - 113
Potassium	5000	4940		ug/L		99	87 - 111
Selenium	100	99.9		ug/L		100	86 - 111
Silver	50.0	52.2		ug/L		104	88 - 116
Sodium	5000	4830		ug/L		97	84 - 114
Thallium	100	101		ug/L		101	86 - 113
Vanadium	500	504		ug/L		101	84 - 112
Zinc	500	507		ug/L		101	86 - 112

Lab Sample ID: MB 410-822308/1-A
Matrix: Water
Analysis Batch: 823445

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.20	ug/L		05/25/26 09:18	05/25/26 21:58	1
Arsenic	ND		2.0	0.68	ug/L		05/25/26 09:18	05/25/26 21:58	1
Barium	ND		2.0	0.75	ug/L		05/25/26 09:18	05/25/26 21:58	1
Beryllium	ND		0.50	0.12	ug/L		05/25/26 09:18	05/25/26 21:58	1
Cadmium	ND		0.50	0.15	ug/L		05/25/26 09:18	05/25/26 21:58	1
Calcium	ND		120	50	ug/L		05/25/26 09:18	05/25/26 21:58	1
Chromium	ND		2.0	0.55	ug/L		05/25/26 09:18	05/25/26 21:58	1
Cobalt	ND		0.50	0.16	ug/L		05/25/26 09:18	05/25/26 21:58	1
Copper	ND		1.0	0.85	ug/L		05/25/26 09:18	05/25/26 21:58	1
Iron	ND		50	20	ug/L		05/25/26 09:18	05/25/26 21:58	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-822308/1-A
Matrix: Water
Analysis Batch: 823445

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.12	ug/L		05/25/26 09:18	05/25/26 21:58	1
Magnesium	ND		50	16	ug/L		05/25/26 09:18	05/25/26 21:58	1
Manganese	ND		2.0	0.95	ug/L		05/25/26 09:18	05/25/26 21:58	1
Nickel	ND		1.0	0.40	ug/L		05/25/26 09:18	05/25/26 21:58	1
Potassium	ND		200	65	ug/L		05/25/26 09:18	05/25/26 21:58	1
Selenium	ND		1.0	0.28	ug/L		05/25/26 09:18	05/25/26 21:58	1
Silver	ND		0.50	0.10	ug/L		05/25/26 09:18	05/25/26 21:58	1
Sodium	109	J B	200	90	ug/L		05/25/26 09:18	05/25/26 21:58	1
Thallium	ND		0.50	0.13	ug/L		05/25/26 09:18	05/25/26 21:58	1
Vanadium	ND		4.0	0.79	ug/L		05/25/26 09:18	05/25/26 21:58	1
Zinc	ND		10	4.0	ug/L		05/25/26 09:18	05/25/26 21:58	1

Lab Sample ID: MB 410-822308/1-A
Matrix: Water
Analysis Batch: 823444

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/25/26 09:18	05/25/26 22:58	1

Lab Sample ID: LCS 410-822308/2-A
Matrix: Water
Analysis Batch: 823445

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	101		ug/L		101	85 - 115
Arsenic	500	513		ug/L		103	86 - 111
Barium	500	496		ug/L		99	86 - 114
Beryllium	50.0	54.0		ug/L		108	80 - 120
Cadmium	50.0	52.1		ug/L		104	86 - 114
Calcium	5000	5350		ug/L		107	84 - 113
Chromium	500	515		ug/L		103	84 - 113
Cobalt	500	515		ug/L		103	85 - 112
Copper	500	512		ug/L		102	86 - 111
Iron	5000	5030		ug/L		101	84 - 114
Lead	50.0	52.5		ug/L		105	86 - 114
Magnesium	5000	5020		ug/L		100	84 - 113
Manganese	500	510		ug/L		102	84 - 113
Nickel	500	469		ug/L		94	85 - 113
Potassium	5000	5120		ug/L		102	87 - 111
Selenium	100	102		ug/L		102	86 - 111
Silver	50.0	54.5		ug/L		109	88 - 116
Sodium	5000	5090		ug/L		102	84 - 114
Thallium	100	105		ug/L		105	86 - 113
Vanadium	500	505		ug/L		101	84 - 112
Zinc	500	521		ug/L		104	86 - 112

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-822308/2-A
Matrix: Water
Analysis Batch: 823444

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4310		ug/L		86	83 - 114

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-818355/14-A
Matrix: Water
Analysis Batch: 821780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818355

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/20/26 17:49	05/21/26 00:08	1

Lab Sample ID: LCS 410-818355/15-A
Matrix: Water
Analysis Batch: 821780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.999		ug/L		100	80 - 120

Lab Sample ID: MB 410-820239/14-A
Matrix: Water
Analysis Batch: 821780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 820239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/20/26 17:49	05/20/26 22:40	1

Lab Sample ID: LCS 410-820239/15-A
Matrix: Water
Analysis Batch: 821780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 820239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.995		ug/L		100	80 - 120

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-822522/3
Matrix: Water
Analysis Batch: 822522

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			05/22/26 10:39	1

Lab Sample ID: LCS 410-822522/4
Matrix: Water
Analysis Batch: 822522

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	244		mg/L		98	90 - 110

Method: 2310B-2011 - Acidity (Continued)

Lab Sample ID: LCSD 410-822522/5
Matrix: Water
Analysis Batch: 822522

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3			250	251		mg/L		100	90 - 110	3	10

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-513754/7
Matrix: Water
Analysis Batch: 513754

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/13/26 12:26	1

Lab Sample ID: LCS 180-513754/8
Matrix: Water
Analysis Batch: 513754

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Turbidity			0.850	0.85		NTU		101	90 - 110		

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-513892/22
Matrix: Water
Analysis Batch: 513892

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

Lab Sample ID: LCS 180-513892/39
Matrix: Water
Analysis Batch: 513892

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-513877/1
Matrix: Water
Analysis Batch: 513877

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/15/26 15:39	1

Lab Sample ID: LCS 180-513877/2
Matrix: Water
Analysis Batch: 513877

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			84.0	86.1		umhos/cm		103	90 - 110		

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: MB 180-513987/1
Matrix: Water
Analysis Batch: 513987

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/19/26 14:08	1

Lab Sample ID: LCS 180-513987/2
Matrix: Water
Analysis Batch: 513987

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			84.0	86.3		umhos/cm		103	90 - 110		

Lab Sample ID: 180-205320-8 DU
Matrix: Water
Analysis Batch: 513987

Client Sample ID: MW-43
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	810			808		umhos/cm				0.3	20

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

Lab Sample ID: MB 180-513882/1
Matrix: Water
Analysis Batch: 513882

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	10	mg/L			05/15/26 19:15	1

Lab Sample ID: LCS 180-513882/2
Matrix: Water
Analysis Batch: 513882

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			653	634		mg/L		97	85 - 115		

Lab Sample ID: MB 180-513996/1
Matrix: Water
Analysis Batch: 513996

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	10	mg/L			05/19/26 17:18	1

Lab Sample ID: LCS 180-513996/2
Matrix: Water
Analysis Batch: 513996

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			653	626		mg/L		96	85 - 115		

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

Lab Sample ID: 180-205320-8 DU
Matrix: Water
Analysis Batch: 513996

Client Sample ID: MW-43
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	470			461		mg/L				1	10

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-513972/2
Matrix: Water
Analysis Batch: 513972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/19/26 14:09	1

Lab Sample ID: LCS 180-513972/1
Matrix: Water
Analysis Batch: 513972

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	255		mg/L		101	90 - 110		

Lab Sample ID: 180-205320-7 DU
Matrix: Water
Analysis Batch: 513972

Client Sample ID: MW-42
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	620			636		mg/L				2	20

GC/MS VOA

Analysis Batch: 822809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-2	MW-12	Total/NA	Water	8260D	
180-205320-3	MW-12-DUP	Total/NA	Water	8260D	
180-205320-3 - DL	MW-12-DUP	Total/NA	Water	8260D	
180-205320-4	MW-16	Total/NA	Water	8260D	
180-205320-5 - DL	MW-2	Total/NA	Water	8260D	
180-205320-6 - DL	MW-2-DUP	Total/NA	Water	8260D	
180-205320-8	MW-43	Total/NA	Water	8260D	
180-205320-10	MW-41	Total/NA	Water	8260D	
180-205320-10 - DL	MW-41	Total/NA	Water	8260D	
180-205320-11	MW-44	Total/NA	Water	8260D	
180-205320-12	MW-15	Total/NA	Water	8260D	
180-205320-12 - DL	MW-15	Total/NA	Water	8260D	
180-205320-13	TB-2	Total/NA	Water	8260D	
MB 410-822809/31	Method Blank	Total/NA	Water	8260D	
MB 410-822809/7	Method Blank	Total/NA	Water	8260D	
LCS 410-822809/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-822809/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 823638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-1	MW-14	Total/NA	Water	8260D	
180-205320-5	MW-2	Total/NA	Water	8260D	
180-205320-6	MW-2-DUP	Total/NA	Water	8260D	
180-205320-7	MW-42	Total/NA	Water	8260D	
180-205320-9	MW-46	Total/NA	Water	8260D	
MB 410-823638/10	Method Blank	Total/NA	Water	8260D	
LCS 410-823638/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-823638/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 513838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-1	MW-14	Total/NA	Water	3520C	
180-205320-2	MW-12	Total/NA	Water	3520C	
180-205320-2 - DL	MW-12	Total/NA	Water	3520C	
180-205320-3	MW-12-DUP	Total/NA	Water	3520C	
180-205320-3 - DL	MW-12-DUP	Total/NA	Water	3520C	
180-205320-4	MW-16	Total/NA	Water	3520C	
180-205320-4 - DL	MW-16	Total/NA	Water	3520C	
180-205320-5	MW-2	Total/NA	Water	3520C	
180-205320-5 - DL	MW-2	Total/NA	Water	3520C	
180-205320-6	MW-2-DUP	Total/NA	Water	3520C	
180-205320-7	MW-42	Total/NA	Water	3520C	
180-205320-8	MW-43	Total/NA	Water	3520C	
180-205320-9	MW-46	Total/NA	Water	3520C	
180-205320-10	MW-41	Total/NA	Water	3520C	
180-205320-10 - DL	MW-41	Total/NA	Water	3520C	
180-205320-11	MW-44	Total/NA	Water	3520C	
180-205320-12	MW-15	Total/NA	Water	3520C	
180-205320-12 - DL	MW-15	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 513838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-513838/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-513838/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 513919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-1	MW-14	Total/NA	Water	EPA 8270E LL	513838
180-205320-2	MW-12	Total/NA	Water	EPA 8270E LL	513838
180-205320-3	MW-12-DUP	Total/NA	Water	EPA 8270E LL	513838
180-205320-4	MW-16	Total/NA	Water	EPA 8270E LL	513838
180-205320-5	MW-2	Total/NA	Water	EPA 8270E LL	513838
180-205320-6	MW-2-DUP	Total/NA	Water	EPA 8270E LL	513838
180-205320-7	MW-42	Total/NA	Water	EPA 8270E LL	513838
180-205320-8	MW-43	Total/NA	Water	EPA 8270E LL	513838
180-205320-9	MW-46	Total/NA	Water	EPA 8270E LL	513838
180-205320-10	MW-41	Total/NA	Water	EPA 8270E LL	513838
180-205320-11	MW-44	Total/NA	Water	EPA 8270E LL	513838
180-205320-12	MW-15	Total/NA	Water	EPA 8270E LL	513838
MB 180-513838/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	513838
LCS 180-513838/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	513838

Analysis Batch: 513935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-2 - DL	MW-12	Total/NA	Water	EPA 8270E LL	513838
180-205320-3 - DL	MW-12-DUP	Total/NA	Water	EPA 8270E LL	513838
180-205320-4 - DL	MW-16	Total/NA	Water	EPA 8270E LL	513838
180-205320-5 - DL	MW-2	Total/NA	Water	EPA 8270E LL	513838
180-205320-10 - DL	MW-41	Total/NA	Water	EPA 8270E LL	513838
180-205320-12 - DL	MW-15	Total/NA	Water	EPA 8270E LL	513838

HPLC/IC

Analysis Batch: 817629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-8	MW-43	Total/NA	Water	9056A	
180-205320-9	MW-46	Total/NA	Water	9056A	
MB 410-817629/5	Method Blank	Total/NA	Water	9056A	
LCS 410-817629/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-817629/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 817657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	9056A	
180-205320-10	MW-41	Total/NA	Water	9056A	
180-205320-11	MW-44	Total/NA	Water	9056A	
MB 410-817657/19	Method Blank	Total/NA	Water	9056A	
LCS 410-817657/17	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-817657/18	Lab Control Sample Dup	Total/NA	Water	9056A	
180-205320-10 MS	MW-41	Total/NA	Water	9056A	
180-205320-10 DU	MW-41	Total/NA	Water	9056A	

HPLC/IC

Analysis Batch: 817658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	9056A	
180-205320-10	MW-41	Total/NA	Water	9056A	
180-205320-11	MW-44	Total/NA	Water	9056A	
MB 410-817658/19	Method Blank	Total/NA	Water	9056A	
LCS 410-817658/17	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-817658/18	Lab Control Sample Dup	Total/NA	Water	9056A	
180-205320-10 MS	MW-41	Total/NA	Water	9056A	
180-205320-10 DU	MW-41	Total/NA	Water	9056A	

Analysis Batch: 819985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-11	MW-44	Total/NA	Water	9056A	
MB 410-819985/5	Method Blank	Total/NA	Water	9056A	
LCS 410-819985/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-819985/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 820010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	9056A	
180-205320-8	MW-43	Total/NA	Water	9056A	
180-205320-9	MW-46	Total/NA	Water	9056A	
180-205320-9	MW-46	Total/NA	Water	9056A	
MB 410-820010/5	Method Blank	Total/NA	Water	9056A	
LCS 410-820010/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-820010/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 818355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Dissolved	Water	7470A	
MB 410-818355/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-818355/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 820239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Total/NA	Water	7470A	
MB 410-820239/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-820239/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 821778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Dissolved	Water	Non-Digest Prep	
MB 410-821778/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-821778/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 821780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Dissolved	Water	7470A	818355
180-205320-9	MW-46	Total/NA	Water	7470A	820239
MB 410-818355/14-A	Method Blank	Total/NA	Water	7470A	818355

Metals (Continued)

Analysis Batch: 821780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-820239/14-A	Method Blank	Total/NA	Water	7470A	820239
LCS 410-818355/15-A	Lab Control Sample	Total/NA	Water	7470A	818355
LCS 410-820239/15-A	Lab Control Sample	Total/NA	Water	7470A	820239

Analysis Batch: 822219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Dissolved	Water	6020B	821778
MB 410-821778/1-A	Method Blank	Total/NA	Water	6020B	821778
LCS 410-821778/2-A	Lab Control Sample	Total/NA	Water	6020B	821778

Prep Batch: 822308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Total Recoverable	Water	3005A	
MB 410-822308/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-822308/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 823444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Total Recoverable	Water	6020B	822308
MB 410-822308/1-A	Method Blank	Total Recoverable	Water	6020B	822308
LCS 410-822308/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822308

Analysis Batch: 823445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-9	MW-46	Total Recoverable	Water	6020B	822308
MB 410-822308/1-A	Method Blank	Total Recoverable	Water	6020B	822308
LCS 410-822308/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822308

General Chemistry

Analysis Batch: 513754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	EPA 180.1	
180-205320-8	MW-43	Total/NA	Water	EPA 180.1	
180-205320-9	MW-46	Total/NA	Water	EPA 180.1	
180-205320-10	MW-41	Total/NA	Water	EPA 180.1	
180-205320-11	MW-44	Total/NA	Water	EPA 180.1	
MB 180-513754/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-513754/8	Lab Control Sample	Total/NA	Water	EPA 180.1	

Analysis Batch: 513877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	SM 2510B	
MB 180-513877/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-513877/2	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 513882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	SM 2540C	
MB 180-513882/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-513882/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 513892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	EPA 9040C	
180-205320-8	MW-43	Total/NA	Water	EPA 9040C	
180-205320-9	MW-46	Total/NA	Water	EPA 9040C	
180-205320-10	MW-41	Total/NA	Water	EPA 9040C	
180-205320-11	MW-44	Total/NA	Water	EPA 9040C	
LCS 180-513892/22	Lab Control Sample	Total/NA	Water	EPA 9040C	
LCS 180-513892/39	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 513972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	SM2320 B	
180-205320-8	MW-43	Total/NA	Water	SM2320 B	
180-205320-9	MW-46	Total/NA	Water	SM2320 B	
180-205320-10	MW-41	Total/NA	Water	SM2320 B	
180-205320-11	MW-44	Total/NA	Water	SM2320 B	
MB 180-513972/2	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-513972/1	Lab Control Sample	Total/NA	Water	SM2320 B	
180-205320-7 DU	MW-42	Total/NA	Water	SM2320 B	

Analysis Batch: 513987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-8	MW-43	Total/NA	Water	SM 2510B	
180-205320-9	MW-46	Total/NA	Water	SM 2510B	
180-205320-10	MW-41	Total/NA	Water	SM 2510B	
180-205320-11	MW-44	Total/NA	Water	SM 2510B	
MB 180-513987/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-513987/2	Lab Control Sample	Total/NA	Water	SM 2510B	
180-205320-8 DU	MW-43	Total/NA	Water	SM 2510B	

Analysis Batch: 513996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-8	MW-43	Total/NA	Water	SM 2540C	
180-205320-9	MW-46	Total/NA	Water	SM 2540C	
180-205320-10	MW-41	Total/NA	Water	SM 2540C	
180-205320-11	MW-44	Total/NA	Water	SM 2540C	
MB 180-513996/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-513996/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-205320-8 DU	MW-43	Total/NA	Water	SM 2540C	

Analysis Batch: 822522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205320-7	MW-42	Total/NA	Water	2310B-2011	
180-205320-8	MW-43	Total/NA	Water	2310B-2011	
180-205320-9	MW-46	Total/NA	Water	2310B-2011	
180-205320-10	MW-41	Total/NA	Water	2310B-2011	
180-205320-11	MW-44	Total/NA	Water	2310B-2011	
MB 410-822522/3	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-822522/4	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-822522/5	Lab Control Sample Dup	Total/NA	Water	2310B-2011	

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Kupfer	Site Contact: Dave Gaviglia	Date:	COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	Lab Contact: Andy Johnson	Carrier: Hand Delivered	_____ of _____ COCs
100 Airside Drive	Tel/Fax: 724-457-8910			TALS Project #:
Moon Twp., PA 15108	Analysis Turnaround Time			Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below			Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks			Lab Sampling:
Site: Erie Coke Works	☐ 1 week			Job / SDG No.:
P O #: 208908	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-14	5/12/26	0910	G	GW		X	X					
MW-12		1030				X	X					
MW-12-DUP		1050				X	X					
MW-16		1150				X	X					"Hot" Sample
MW-2		1510				X	X					"Hot" Sample
MW-2-DUP		1520				X	X					"Hot" Sample
MW-42		0935				X	X	X				
MW-43		1110				X	X	X				
MW-46		1445				X	X	X	X	X		
MW-41		0945				X	X	X				
MW-44		1115				X	X	X				"Hot" Sample
MW-15	↓	1530	↓	↓		X	X					"Hot" Sample
TB-2	—	—	—	—		X						

180-205320 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

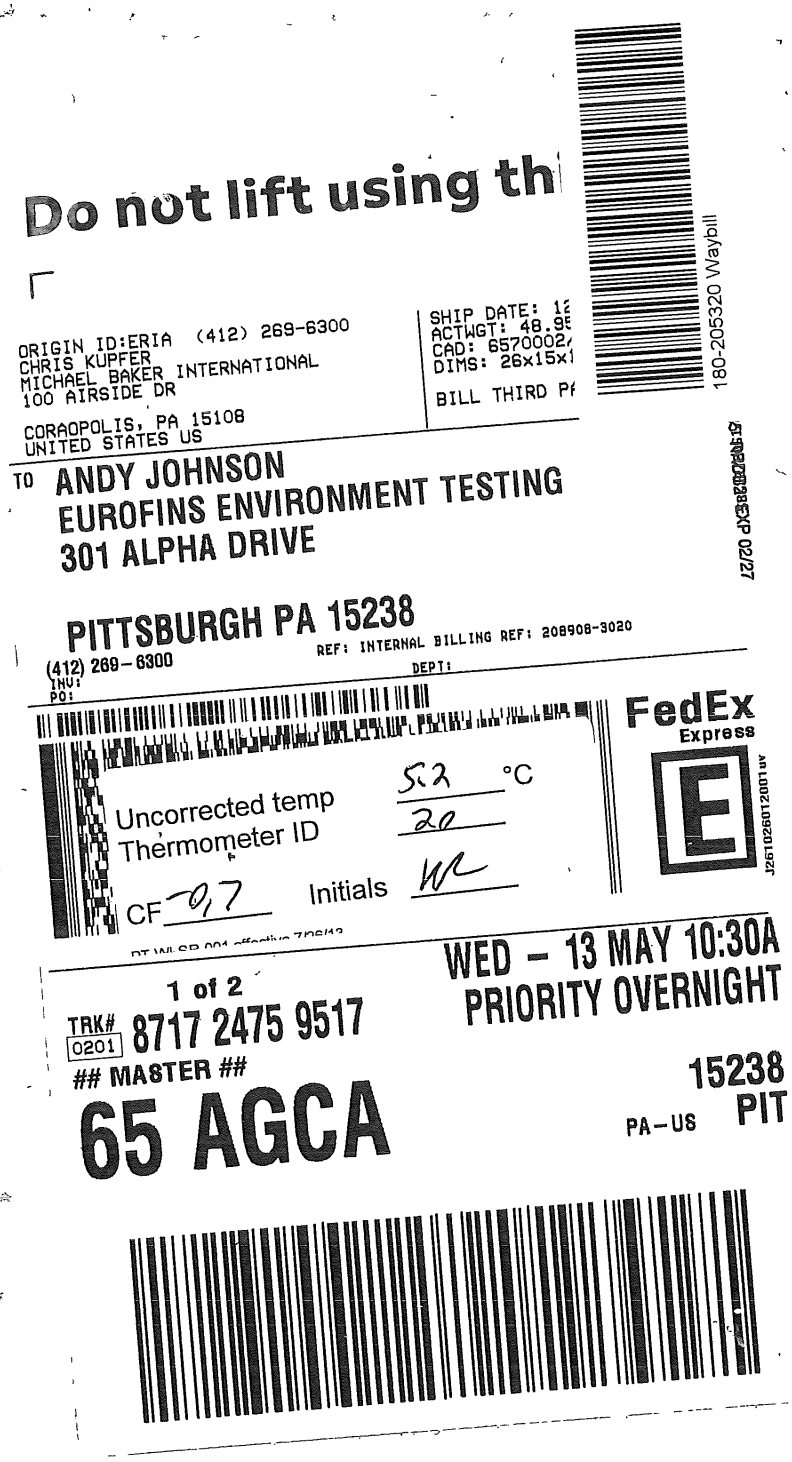
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

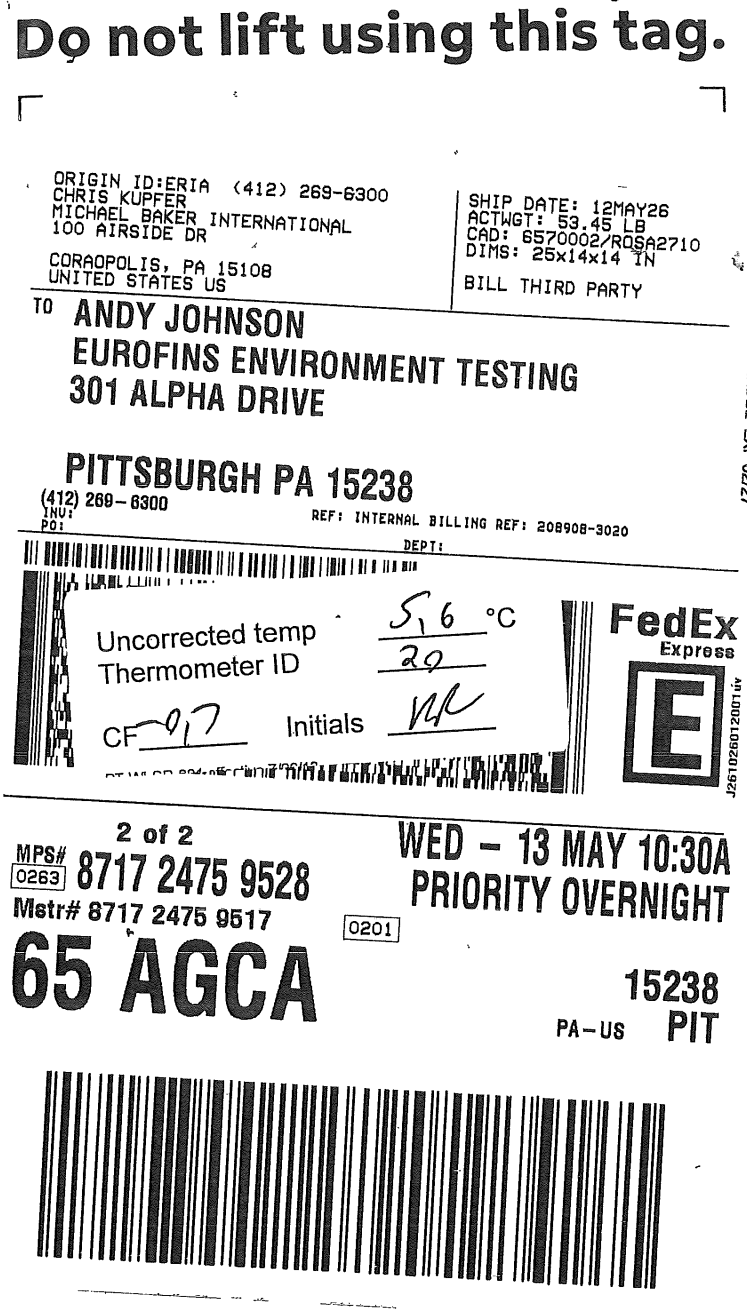
Special Instructions/QC Requirements & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/12/26 1700	Received by:	Company: EPI PME	Date/Time: 5-13-26 0930
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 97 of 104

5/28/2026


Do not lift using th
ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPFER
MICHAEL BAKER INTERNATIONAL
100 AIRSIDE DR
CORAOPOLIS, PA 15108
UNITED STATES US
SHIP DATE: 12
ACTWGT: 48.9
CAD: 6570002
DIMS: 26x15x
BILL THIRD PA
180-205320 Waybill
TO ANDY JOHNSON
EUROFINS ENVIRONMENT TESTING
301 ALPHA DRIVE
PITTSBURGH PA 15238
(412) 269-6300
REF: INTERNAL BILLING REF: 208908-3020
INV:
PO:
DEPT:
FedEx
Express
Uncorrected temp 5.2 °C
Thermometer ID 20
CF -0.7 Initials
1 of 2
TRK# 0201 8717 2475 9517
WED - 13 MAY 10:30A
PRIORITY OVERNIGHT
MASTER
65 AGCA
15238
PA-US PIT



Do not lift using this tag.

ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPFER
MICHAEL BAKER INTERNATIONAL
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 12MAY26
ACTWGT: 53.45 LB
CAD: 6570002/ROSA2710
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO ANDY JOHNSON
EUROFINS ENVIRONMENT TESTING
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 269-6300
INV:
PO:
REF: INTERNAL BILLING REF: 208908-3020
DEPT:

Uncorrected temp 5.6 °C
Thermometer ID 29
CF 0.7 Initials NL

FedEx Express

2 of 2
MPS# 0263 8717 2475 9528
Mstr# 8717 2475 9517

WED - 13 MAY 10:30A
PRIORITY OVERNIGHT

0201

65 AGCA

15238
PA-US PIT

Part # 156294-88-SPRDXE SCP 02/27

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556695.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP Pennsylvania		Job #: 180-205320-1
Address: 2425 New Holland Pike,	Due Date Requested: 5/27/2026			Preservation Codes:
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2026 Erie CokeSite Groundwater Sampling	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

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)	6020B/3005ATAL Metals	7470A/7470A_Prep/Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-42 (180-205320-7)	5/12/26	09:35 Eastern	G	Water					1	
MW-43 (180-205320-8)	5/12/26	11 10 Eastern	G	Water					1	
MW-46 (180-205320-9)	5/12/26	14.45 Eastern	G	Water			X	X	1	
MW-41 (180-205320-10)	5/12/26	09:45 Eastern	G	Water					1	
MW-44 (180-205320-11)	5/12/26	11 15 Eastern	G	Water					1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	James T. Hinkelman	5/13/26 14:00	EPSWS	MA	5/13 21 1400	EUS
2	MA	5/13 21 1815	EK			
3					5/13/26 1815	

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 21/22

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556733.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205320-1
Address: 2425 New Holland Pike,	Due Date Requested: 5/27/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	8260D_LL/5030CVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-14 (180-205320-1)	5/12/26	09:10 Eastern	G	Water			X	3	
MW-12 (180-205320-2)	5/12/26	10:30 Eastern	G	Water			X	3	
MW-12-DUP (180-205320-3)	5/12/26	10:50 Eastern	G	Water			X	3	
MW-16 (180-205320-4)	5/12/26	11:50 Eastern	G	Water			X	3	
MW-2 (180-205320-5)	5/12/26	15:10 Eastern	G	Water			X	3	
MW-2-DUP (180-205320-6)	5/12/26	15:20 Eastern	G	Water			X	3	
MW-15 (180-205320-12)	5/12/26	15:30 Eastern	G	Water			X	3	
TB-2 (180-205320-13)	5/12/26	Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/14/26 14:00	EHNP	Brad Min	5/14/26 1255	ELLE
2	Brad Min	5/14/26 1700	ELLE			
3					5/14/26 1700	

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☐ Yes ☐ No		R:1.0/C1.1

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205320-1

Login Number: 205320

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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.	True	
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205320-1

Login Number: 205320
List Number: 2
Creator: Martin, Elizabeth

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/13/26 10:57 PM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Analysis listed on COC; individual samples not designated for specific analyses.
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205320-1

Login Number: 205320
List Number: 3
Creator: Trzos, Hazel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/15/26 12:40 PM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 5/29/2026 12:29:46 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205417-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

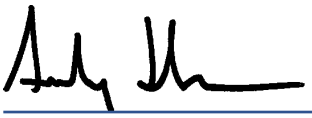
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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5/29/2026 12:29:46 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job Narrative
180-205417-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/14/2026 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.1°C and 4.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822806 recovered outside acceptance criteria, low biased, for Bromoform. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-822809 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane and Methyl acetate. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Due to observed foaming of the sample during purging, an anti-foaming agent was added to the following samples to allow analysis at a lower dilution factor: : MW-18 (180-205417-3), MW-28 (180-205417-5) and MW-17 (180-205417-6).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-824375 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, Methylene Chloride and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-5S (180-205417-12).

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis: MW-1 (180-205417-2) and MW-19D (180-205417-8).

Method 8260D: Internal standard responses were outside of acceptance limits for the following samples: MW-18 (180-205417-3), MW-28 (180-205417-5) and MW-17 (180-205417-6). The sample(s) shows evidence of matrix interference.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-824375 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-1 (180-205417-2), MW-24 (180-205417-7) and MW-19D (180-205417-8)

Method 8260D: The laboratory control sample (LCS) for 410-824375 recovered outside control limits high for the following analytes: Methylene Chloride. The associated sample(s) was not re-analyzed because method holding time had expired.

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

GC/MS Semi VOA
Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-514084 was outside the method criteria for

the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-13 (180-205417-1), MW-45 (180-205417-10) and MW-45-DUP (180-205417-11). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

HPLC/IC
Method EPA 9056A: The following samples were diluted due to the nature of the sample matrix: MW-45 (180-205417-10) and MW-45-DUP (180-205417-11) at 5.0 and 5.0. Elevated reporting limits (RLs) are provided.

Method EPA 9056A: The continuing calibration verification (CCV) associated with batch 180-513814 recovered above the upper control limit for Nitrate as N. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:MW-45 (180-205417-10).

Method EPA 9056A: The following sample was diluted due to the nature of the sample matrix: MW-45-DUP (180-205417-11) at 5.0. Elevated reporting limits (RLs) are provided.

Method EPA 9056A: Reanalysis of the following sample was performed outside of the analytical holding time due to sample required dilution to bring the result within range of the instrument calibration : MW-45-DUP (180-205417-11).

Method EPA 9056A: The following sample was diluted due to the nature of the sample matrix: MW-45-DUP (180-205417-11) at 5.0. 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.

General Chemistry
Method EPA 180.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-45 (180-205417-10) and MW-45-DUP (180-205417-11). Elevated reporting limits (RLs) are provided.

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 10.0 was applied to the raw result of -4.50 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-45 (180-205417-10)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 10.0 was applied to the raw result of -3.696 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-45-DUP (180-205417-11)

Method 2310B-2011: The following samples were diluted due to the nature of the sample matrix: MW-45 (180-205417-10) and MW-45-DUP (180-205417-11). 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.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
^c	CCV Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
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
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205417-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-27

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Job ID: 180-205417-1
Project/Site: Erie Coke Works

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205417-1	MW-13	Water	05/13/26 09:00	05/14/26 09:10	Pennsylvania
180-205417-2	MW-1	Water	05/13/26 09:50	05/14/26 09:10	Pennsylvania
180-205417-3	MW-18	Water	05/13/26 11:10	05/14/26 09:10	Pennsylvania
180-205417-4	MW-19S	Water	05/13/26 14:15	05/14/26 09:10	Pennsylvania
180-205417-5	MW-28	Water	05/13/26 08:55	05/14/26 09:10	Pennsylvania
180-205417-6	MW-17	Water	05/13/26 10:45	05/14/26 09:10	Pennsylvania
180-205417-7	MW-24	Water	05/13/26 14:15	05/14/26 09:10	Pennsylvania
180-205417-8	MW-19D	Water	05/13/26 15:15	05/14/26 09:10	Pennsylvania
180-205417-9	MW-37	Water	05/13/26 08:35	05/14/26 09:10	Pennsylvania
180-205417-10	MW-45	Water	05/13/26 10:05	05/14/26 09:10	Pennsylvania
180-205417-11	MW-45-DUP	Water	05/13/26 10:20	05/14/26 09:10	Pennsylvania
180-205417-12	MW-5S	Water	05/13/26 14:15	05/14/26 09:10	Pennsylvania
180-205417-13	MW-5D	Water	05/13/26 15:25	05/14/26 09:10	Pennsylvania
180-205417-14	TB-3	Water	05/13/26 00:00	05/14/26 09:10	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
2310B-2011	Acidity	SM	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: MW-13

Lab Sample ID: 180-205417-1

Date Collected: 05/13/26 09:00

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5000	25 mL	25 mL	822806	05/23/26 07:08	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	50000	25 mL	25 mL	822806	05/23/26 07:30	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		100	1 mL	1 mL	514084	05/21/26 13:30	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:37	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-1

Lab Sample ID: 180-205417-2

Date Collected: 05/13/26 09:50

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825190	05/28/26 14:04	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 12:53	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 15:27	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:36	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-18

Lab Sample ID: 180-205417-3

Date Collected: 05/13/26 11:10

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	25 mL	25 mL	824375	05/27/26 20:57	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 15:48	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-19S

Lab Sample ID: 180-205417-4

Date Collected: 05/13/26 14:15

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 13:15	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 16:09	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-28

Lab Sample ID: 180-205417-5

Date Collected: 05/13/26 08:55

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 19:51	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 16:30	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-17

Lab Sample ID: 180-205417-6

Date Collected: 05/13/26 10:45

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 20:13	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 16:51	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-24

Lab Sample ID: 180-205417-7

Date Collected: 05/13/26 14:15

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825190	05/28/26 14:27	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 20:35	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 17:12	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-19D

Lab Sample ID: 180-205417-8

Date Collected: 05/13/26 15:15

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	10	25 mL	25 mL	822806	05/23/26 04:54	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		1	25 mL	25 mL	825190	05/28/26 14:49	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 13:59	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 17:33	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-37

Lab Sample ID: 180-205417-9

Date Collected: 05/13/26 08:35

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822806	05/23/26 00:49	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 17:54	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-45

Lab Sample ID: 180-205417-10

Date Collected: 05/13/26 10:05

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2000	25 mL	25 mL	822806	05/23/26 05:39	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	20000	25 mL	25 mL	822806	05/23/26 06:01	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	25	1 mL	1 mL	514084	05/21/26 13:52	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C			260 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 18:15	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	513814	05/15/26 03:46	LWM	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	513814	05/15/26 04:00	LWM	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	2310B-2011		10	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		10			513846	05/15/26 08:52	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:35	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513877	05/15/26 15:56	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513997	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 16:23	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-45-DUP

Lab Sample ID: 180-205417-11

Date Collected: 05/13/26 10:20

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2000	25 mL	25 mL	822806	05/23/26 06:23	HR3Z	ELLE
	Instrument ID: 10193									

Client Sample ID: MW-45-DUP

Lab Sample ID: 180-205417-11

Date Collected: 05/13/26 10:20

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	20000	25 mL	25 mL	822806	05/23/26 06:45	HR3Z	ELLE
Total/NA	Prep	3520C	DL		250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	40	1 mL	1 mL	514084	05/21/26 14:14	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 18:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	513814	05/15/26 04:15	LWM	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	513814	05/15/26 04:29	LWM	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	513863	05/16/26 01:05	LWM	EET PIT
	Instrument ID: INUVION									
Total/NA	Analysis	2310B-2011		10	25 mL	25 mL	822522	05/22/26 10:39	UMLG	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		10			513846	05/15/26 08:52	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:34	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			513877	05/15/26 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	513997	05/19/26 17:18	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	513972	05/19/26 16:31	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-5S

Lab Sample ID: 180-205417-12

Date Collected: 05/13/26 14:15

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824375	05/27/26 13:37	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 18:57	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-5D

Lab Sample ID: 180-205417-13

Date Collected: 05/13/26 15:25

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822809	05/23/26 01:45	HR3Z	ELLE
	Instrument ID: 19930									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5D

Lab Sample ID: 180-205417-13

Date Collected: 05/13/26 15:25

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	0.25 mL	513897	05/16/26 17:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514031	05/20/26 19:18	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: TB-3

Lab Sample ID: 180-205417-14

Date Collected: 05/13/26 00:00

Matrix: Water

Date Received: 05/14/26 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	822809	05/23/26 01:01	HR3Z	ELLE
	Instrument ID: 19930									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman

LWM = Leslie McIntire

RAO = Rachel Oster

SNR = Sabra Richart

VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Analysis

HR3Z = Nicholas Carson

N7YK = Eric Ressler

UMLG = Michele Graham

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-13
Date Collected: 05/13/26 09:00
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500	400	ug/L			05/23/26 07:08	5000
1,1,2,2-Tetrachloroethane	ND		2500	500	ug/L			05/23/26 07:08	5000
1,1,2-Trichloroethane	ND		2500	400	ug/L			05/23/26 07:08	5000
1,1-Dichloroethane	ND		2500	500	ug/L			05/23/26 07:08	5000
1,1-Dichloroethene	ND		2500	500	ug/L			05/23/26 07:08	5000
1,2,4-Trichlorobenzene	ND		2500	750	ug/L			05/23/26 07:08	5000
1,2-Dibromo-3-Chloropropane	ND		2500	1300	ug/L			05/23/26 07:08	5000
1,2-Dibromoethane	ND		2500	400	ug/L			05/23/26 07:08	5000
1,2-Dichlorobenzene	ND		2500	350	ug/L			05/23/26 07:08	5000
1,2-Dichloroethane	ND		2500	850	ug/L			05/23/26 07:08	5000
1,2-Dichloropropane	ND		2500	500	ug/L			05/23/26 07:08	5000
1,3-Dichlorobenzene	ND		2500	350	ug/L			05/23/26 07:08	5000
1,4-Dichlorobenzene	ND		2500	350	ug/L			05/23/26 07:08	5000
2-Butanone	ND		25000	13000	ug/L			05/23/26 07:08	5000
2-Hexanone	ND		25000	10000	ug/L			05/23/26 07:08	5000
4-Methyl-2-pentanone	ND		25000	5000	ug/L			05/23/26 07:08	5000
Acetone	ND		25000	7500	ug/L			05/23/26 07:08	5000
Bromodichloromethane	ND		2500	400	ug/L			05/23/26 07:08	5000
Bromoform	ND	^c	5000	1500	ug/L			05/23/26 07:08	5000
Bromomethane	ND		2500	500	ug/L			05/23/26 07:08	5000
Carbon disulfide	ND		5000	500	ug/L			05/23/26 07:08	5000
Carbon tetrachloride	ND		2500	500	ug/L			05/23/26 07:08	5000
Chlorobenzene	ND		2500	350	ug/L			05/23/26 07:08	5000
Chloroethane	ND		2500	500	ug/L			05/23/26 07:08	5000
Chloroform	ND		2500	450	ug/L			05/23/26 07:08	5000
Chloromethane	ND		2500	1100	ug/L			05/23/26 07:08	5000
cis-1,2-Dichloroethene	ND		2500	400	ug/L			05/23/26 07:08	5000
cis-1,3-Dichloropropene	ND		2500	500	ug/L			05/23/26 07:08	5000
Cyclohexane	ND	*+	2500	500	ug/L			05/23/26 07:08	5000
Dibromochloromethane	ND		2500	400	ug/L			05/23/26 07:08	5000
Dichlorodifluoromethane	ND		2500	1100	ug/L			05/23/26 07:08	5000
Ethylbenzene	ND		2500	400	ug/L			05/23/26 07:08	5000
Freon 113	ND		2500	850	ug/L			05/23/26 07:08	5000
Isopropylbenzene	ND		2500	400	ug/L			05/23/26 07:08	5000
Methyl acetate	ND		5000	1000	ug/L			05/23/26 07:08	5000
Methyl tertiary butyl ether	ND		2500	400	ug/L			05/23/26 07:08	5000
Methylcyclohexane	ND		2500	500	ug/L			05/23/26 07:08	5000
Methylene Chloride	ND		2500	1000	ug/L			05/23/26 07:08	5000
Styrene	ND		2500	350	ug/L			05/23/26 07:08	5000
Tetrachloroethene	ND		2500	1000	ug/L			05/23/26 07:08	5000
Toluene	**52000**		2500	400	ug/L			05/23/26 07:08	5000
trans-1,2-Dichloroethene	ND		2500	500	ug/L			05/23/26 07:08	5000
trans-1,3-Dichloropropene	ND		2500	400	ug/L			05/23/26 07:08	5000
Trichloroethene	ND		2500	400	ug/L			05/23/26 07:08	5000
Trichlorofluoromethane	ND		2500	500	ug/L			05/23/26 07:08	5000
Vinyl chloride	ND		2500	500	ug/L			05/23/26 07:08	5000
Xylene (total)	**2300**	**J**	5000	350	ug/L			05/23/26 07:08	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/23/26 07:08*	*5000*

Client Sample ID: MW-13
Date Collected: 05/13/26 09:00
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 07:08*	*5000*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/23/26 07:08*	*5000*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/23/26 07:08*	*5000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**370000**		25000	5000	ug/L			05/23/26 07:30	50000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/23/26 07:30*	*50000*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 07:30*	*50000*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/23/26 07:30*	*50000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/23/26 07:30*	*50000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		96	14	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,2'-oxybis[1-chloropropane]	ND		18	12	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4,5-Trichlorophenol	ND		96	24	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4,6-Trichlorophenol	ND		96	22	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4-Dichlorophenol	ND		18	4.9	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4-Dimethylphenol	ND		96	56	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4-Dinitrophenol	ND		960	310	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,4-Dinitrotoluene	ND		96	34	ug/L		05/16/26 17:08	05/21/26 13:30	100
2,6-Dinitrotoluene	ND		96	17	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Chloronaphthalene	ND		18	5.7	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Chlorophenol	ND		96	22	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Methylnaphthalene	ND		18	6.0	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Methylphenol	**56**	**J**	96	54	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Nitroaniline	ND		480	53	ug/L		05/16/26 17:08	05/21/26 13:30	100
2-Nitrophenol	ND		96	19	ug/L		05/16/26 17:08	05/21/26 13:30	100
3,3'-Dichlorobenzidine	ND		96	56	ug/L		05/16/26 17:08	05/21/26 13:30	100
3-Nitroaniline	ND		480	42	ug/L		05/16/26 17:08	05/21/26 13:30	100
4,6-Dinitro-2-methylphenol	ND		480	140	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Bromophenyl phenyl ether	ND		96	31	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Chloro-3-methylphenol	ND		96	42	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Chloroaniline	ND		96	36	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Chlorophenyl phenyl ether	ND		96	21	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Nitroaniline	ND		480	35	ug/L		05/16/26 17:08	05/21/26 13:30	100
4-Nitrophenol	ND		480	90	ug/L		05/16/26 17:08	05/21/26 13:30	100
Acenaphthene	ND		18	6.3	ug/L		05/16/26 17:08	05/21/26 13:30	100
Acenaphthylene	ND		18	6.3	ug/L		05/16/26 17:08	05/21/26 13:30	100
Acetophenone	**3500**		96	15	ug/L		05/16/26 17:08	05/21/26 13:30	100
Anthracene	ND		18	4.7	ug/L		05/16/26 17:08	05/21/26 13:30	100
Atrazine	ND		96	28	ug/L		05/16/26 17:08	05/21/26 13:30	100
Benzaldehyde	ND		96	52	ug/L		05/16/26 17:08	05/21/26 13:30	100
Benzo[a]anthracene	ND		18	7.2	ug/L		05/16/26 17:08	05/21/26 13:30	100
Benzo[a]pyrene	ND		18	12	ug/L		05/16/26 17:08	05/21/26 13:30	100
Benzo[b]fluoranthene	ND		18	9.3	ug/L		05/16/26 17:08	05/21/26 13:30	100
Benzo[g,h,i]perylene	ND		18	6.6	ug/L		05/16/26 17:08	05/21/26 13:30	100

Client Sample ID: MW-13
Date Collected: 05/13/26 09:00
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		18	8.5	ug/L		05/16/26 17:08	05/21/26 13:30	100
Bis(2-chloroethoxy)methane	ND		96	15	ug/L		05/16/26 17:08	05/21/26 13:30	100
Bis(2-chloroethyl)ether	ND		18	13	ug/L		05/16/26 17:08	05/21/26 13:30	100
Bis(2-ethylhexyl) phthalate	ND		960	200	ug/L		05/16/26 17:08	05/21/26 13:30	100
Butyl benzyl phthalate	ND		190	90	ug/L		05/16/26 17:08	05/21/26 13:30	100
Caprolactam	ND		480	65	ug/L		05/16/26 17:08	05/21/26 13:30	100
Carbazole	ND		18	4.9	ug/L		05/16/26 17:08	05/21/26 13:30	100
Chrysene	ND		18	7.8	ug/L		05/16/26 17:08	05/21/26 13:30	100
Dibenz(a,h)anthracene	ND		18	6.9	ug/L		05/16/26 17:08	05/21/26 13:30	100
Dibenzofuran	ND		96	18	ug/L		05/16/26 17:08	05/21/26 13:30	100
Diethyl phthalate	ND		96	24	ug/L		05/16/26 17:08	05/21/26 13:30	100
Dimethyl phthalate	ND		190	19	ug/L		05/16/26 17:08	05/21/26 13:30	100
Di-n-butyl phthalate	ND		96	36	ug/L		05/16/26 17:08	05/21/26 13:30	100
Di-n-octyl phthalate	ND	^c	96	66	ug/L		05/16/26 17:08	05/21/26 13:30	100
Fluoranthene	ND		18	5.8	ug/L		05/16/26 17:08	05/21/26 13:30	100
Fluorene	ND		18	6.6	ug/L		05/16/26 17:08	05/21/26 13:30	100
Hexachlorobenzene	ND		18	5.4	ug/L		05/16/26 17:08	05/21/26 13:30	100
Hexachlorobutadiene	ND		18	15	ug/L		05/16/26 17:08	05/21/26 13:30	100
Hexachlorocyclopentadiene	ND		96	48	ug/L		05/16/26 17:08	05/21/26 13:30	100
Hexachloroethane	ND		96	31	ug/L		05/16/26 17:08	05/21/26 13:30	100
Indeno[1,2,3-cd]pyrene	ND		18	8.2	ug/L		05/16/26 17:08	05/21/26 13:30	100
Isophorone	ND		96	18	ug/L		05/16/26 17:08	05/21/26 13:30	100
Methylphenol, 3 & 4	**120**		96	36	ug/L		05/16/26 17:08	05/21/26 13:30	100
Naphthalene	**52**		18	5.7	ug/L		05/16/26 17:08	05/21/26 13:30	100
Nitrobenzene	ND		190	48	ug/L		05/16/26 17:08	05/21/26 13:30	100
N-Nitrosodi-n-propylamine	ND		18	6.8	ug/L		05/16/26 17:08	05/21/26 13:30	100
N-Nitrosodiphenylamine	ND		96	24	ug/L		05/16/26 17:08	05/21/26 13:30	100
Pentachlorophenol	ND		480	81	ug/L		05/16/26 17:08	05/21/26 13:30	100
Phenanthrene	ND		18	15	ug/L		05/16/26 17:08	05/21/26 13:30	100
Phenol	**890**		96	47	ug/L		05/16/26 17:08	05/21/26 13:30	100
Pyrene	ND		18	11	ug/L		05/16/26 17:08	05/21/26 13:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/16/26 17:08*	*05/21/26 13:30*	*100*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 13:30*	*100*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 13:30*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/16/26 17:08*	*05/21/26 13:30*	*100*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/16/26 17:08*	*05/21/26 13:30*	*100*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/16/26 17:08*	*05/21/26 13:30*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**2.5**	**HF**	0.1	0.1	SU			05/16/26 15:37	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-1

Date Collected: 05/13/26 09:50
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 12:53	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 12:53	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 12:53	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 12:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 12:53	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 12:53	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 12:53	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 12:53	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 12:53	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 12:53	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 12:53	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 12:53	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 12:53	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 12:53	1
Acetone	ND		5.0	1.5	ug/L			05/27/26 12:53	1
Benzene	**0.15**	**J**	0.50	0.10	ug/L			05/27/26 12:53	1
Bromodichloromethane	**0.48**	**J**	0.50	0.080	ug/L			05/27/26 12:53	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 12:53	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 12:53	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 12:53	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Chloroform	**8.9**		0.50	0.090	ug/L			05/27/26 12:53	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 12:53	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 12:53	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 12:53	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 12:53	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 12:53	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 12:53	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 12:53	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 12:53	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 12:53	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Methylene Chloride	**0.30**	**J H**	0.50	0.20	ug/L			05/28/26 14:04	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 12:53	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 12:53	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 12:53	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 12:53	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 12:53	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 12:53	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 12:53	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 12:53	1

Client Sample ID: MW-1
Lab Sample ID: 180-205417-2
Date Collected: 05/13/26 09:50
Matrix: Water
Date Received: 05/14/26 09:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/27/26 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/28/26 14:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/27/26 12:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/28/26 14:04*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/27/26 12:53*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 14:04*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/27/26 12:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/28/26 14:04*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 15:27	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 15:27	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 15:27	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 15:27	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 15:27	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 15:27	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 15:27	1
Acenaphthene	**0.066**	**J**	0.19	0.065	ug/L		05/16/26 17:08	05/20/26 15:27	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 15:27	1
Acetophenone	**0.45**	**J**	1.0	0.16	ug/L		05/16/26 17:08	05/20/26 15:27	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 15:27	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 15:27	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 15:27	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 15:27	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 15:27	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 15:27	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 15:27	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-1

Date Collected: 05/13/26 09:50
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-2

Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	**1.2**	**J**	5.0	0.68	ug/L		05/16/26 17:08	05/20/26 15:27	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 15:27	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 15:27	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 15:27	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 15:27	1
Diethyl phthalate	**0.31**	**J**	1.0	0.25	ug/L		05/16/26 17:08	05/20/26 15:27	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 15:27	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 15:27	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 15:27	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 15:27	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 15:27	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 15:27	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 15:27	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 15:27	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 15:27	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 15:27	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 15:27	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 15:27	1
Naphthalene	**0.23**		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 15:27	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 15:27	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 15:27	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 15:27	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 15:27	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 15:27	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 15:27	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*23 - 128*	*05/16/26 17:08*	*05/20/26 15:27*	*1*
2-Fluorobiphenyl	*58*		*20 - 105*	*05/16/26 17:08*	*05/20/26 15:27*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 105*	*05/16/26 17:08*	*05/20/26 15:27*	*1*
Nitrobenzene-d5 (Surr)	*53*		*20 - 107*	*05/16/26 17:08*	*05/20/26 15:27*	*1*
Phenol-d5 (Surr)	*55*		*20 - 106*	*05/16/26 17:08*	*05/20/26 15:27*	*1*
Terphenyl-d14 (Surr)	*78*		*22 - 120*	*05/16/26 17:08*	*05/20/26 15:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**11.4**	**HF**	0.1	0.1	SU			05/16/26 15:36	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-18
Date Collected: 05/13/26 11:10
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			05/27/26 20:57	2
1,1,2,2-Tetrachloroethane	ND	^c	1.0	0.20	ug/L			05/27/26 20:57	2
1,1,2-Trichloroethane	ND		1.0	0.16	ug/L			05/27/26 20:57	2
1,1-Dichloroethane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
1,1-Dichloroethene	ND		1.0	0.20	ug/L			05/27/26 20:57	2
1,2,4-Trichlorobenzene	ND		1.0	0.30	ug/L			05/27/26 20:57	2
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			05/27/26 20:57	2
1,2-Dibromoethane	ND		1.0	0.16	ug/L			05/27/26 20:57	2
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/27/26 20:57	2
1,2-Dichloroethane	ND		1.0	0.34	ug/L			05/27/26 20:57	2
1,2-Dichloropropane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			05/27/26 20:57	2
1,4-Dichlorobenzene	ND		1.0	0.14	ug/L			05/27/26 20:57	2
2-Butanone	ND	*3	10	5.0	ug/L			05/27/26 20:57	2
2-Hexanone	ND	*3	10	4.0	ug/L			05/27/26 20:57	2
4-Methyl-2-pentanone	ND	*3	10	2.0	ug/L			05/27/26 20:57	2
Acetone	ND	*3	10	3.0	ug/L			05/27/26 20:57	2
Benzene	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Bromodichloromethane	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Bromoform	ND		2.0	0.60	ug/L			05/27/26 20:57	2
Bromomethane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Carbon disulfide	ND		2.0	0.20	ug/L			05/27/26 20:57	2
Carbon tetrachloride	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Chlorobenzene	ND		1.0	0.14	ug/L			05/27/26 20:57	2
Chloroethane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Chloroform	ND		1.0	0.18	ug/L			05/27/26 20:57	2
Chloromethane	ND		1.0	0.44	ug/L			05/27/26 20:57	2
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L			05/27/26 20:57	2
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Cyclohexane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Dibromochloromethane	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Dichlorodifluoromethane	ND		1.0	0.44	ug/L			05/27/26 20:57	2
Ethylbenzene	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Freon 113	ND		1.0	0.34	ug/L			05/27/26 20:57	2
Isopropylbenzene	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Methyl acetate	ND	*3	2.0	0.40	ug/L			05/27/26 20:57	2
Methyl tertiary butyl ether	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Methylcyclohexane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Methylene Chloride	ND	^c *+	1.0	0.40	ug/L			05/27/26 20:57	2
Styrene	ND		1.0	0.14	ug/L			05/27/26 20:57	2
Tetrachloroethene	ND		1.0	0.40	ug/L			05/27/26 20:57	2
Toluene	ND		1.0	0.16	ug/L			05/27/26 20:57	2
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			05/27/26 20:57	2
trans-1,3-Dichloropropene	ND	^c	1.0	0.16	ug/L			05/27/26 20:57	2
Trichloroethene	ND		1.0	0.16	ug/L			05/27/26 20:57	2
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Vinyl chloride	ND		1.0	0.20	ug/L			05/27/26 20:57	2
Xylene (total)	ND		2.0	0.14	ug/L			05/27/26 20:57	2

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-18
Date Collected: 05/13/26 11:10
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/27/26 20:57*	*2*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/27/26 20:57*	*2*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/27/26 20:57*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/27/26 20:57*	*2*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:08	05/20/26 15:48	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:08	05/20/26 15:48	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:08	05/20/26 15:48	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 15:48	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:08	05/20/26 15:48	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:08	05/20/26 15:48	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:08	05/20/26 15:48	1
Acenaphthene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 15:48	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 15:48	1
Acetophenone	**0.21**	**J**	0.96	0.15	ug/L		05/16/26 17:08	05/20/26 15:48	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:08	05/20/26 15:48	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 15:48	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:08	05/20/26 15:48	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:08	05/20/26 15:48	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:08	05/20/26 15:48	1
Bis(2-ethylhexyl) phthalate	**2.4**	**J**	9.6	2.0	ug/L		05/16/26 17:08	05/20/26 15:48	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:08	05/20/26 15:48	1
Caprolactam	**0.80**	**J**	4.8	0.65	ug/L		05/16/26 17:08	05/20/26 15:48	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 15:48	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:08	05/20/26 15:48	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:08	05/20/26 15:48	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-18
Date Collected: 05/13/26 11:10
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 15:48	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 15:48	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:08	05/20/26 15:48	1
Di-n-butyl phthalate	**0.48**	**J**	0.96	0.36	ug/L		05/16/26 17:08	05/20/26 15:48	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/16/26 17:08	05/20/26 15:48	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:08	05/20/26 15:48	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 15:48	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:08	05/20/26 15:48	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 15:48	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:08	05/20/26 15:48	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 15:48	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:08	05/20/26 15:48	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 15:48	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 15:48	1
Naphthalene	ND		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 15:48	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:08	05/20/26 15:48	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:08	05/20/26 15:48	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 15:48	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:08	05/20/26 15:48	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 15:48	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:08	05/20/26 15:48	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:08	05/20/26 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*23 - 128*	*05/16/26 17:08*	*05/20/26 15:48*	*1*
2-Fluorobiphenyl	*57*		*20 - 105*	*05/16/26 17:08*	*05/20/26 15:48*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 105*	*05/16/26 17:08*	*05/20/26 15:48*	*1*
Nitrobenzene-d5 (Surr)	*52*		*20 - 107*	*05/16/26 17:08*	*05/20/26 15:48*	*1*
Phenol-d5 (Surr)	*51*		*20 - 106*	*05/16/26 17:08*	*05/20/26 15:48*	*1*
Terphenyl-d14 (Surr)	*80*		*22 - 120*	*05/16/26 17:08*	*05/20/26 15:48*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-19S
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:15	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 13:15	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:15	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 13:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 13:15	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 13:15	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:15	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 13:15	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:15	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:15	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 13:15	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 13:15	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 13:15	1
Acetone	ND		5.0	1.5	ug/L			05/27/26 13:15	1
Benzene	**0.25**	**J**	0.50	0.10	ug/L			05/27/26 13:15	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 13:15	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 13:15	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:15	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 13:15	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 13:15	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:15	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 13:15	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 13:15	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 13:15	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Methylene Chloride	ND	^c *+	0.50	0.20	ug/L			05/27/26 13:15	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 13:15	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 13:15	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 13:15	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:15	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 13:15	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:15	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 13:15	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 13:15	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-19S
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/27/26 13:15*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/27/26 13:15*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/27/26 13:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/27/26 13:15*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:08	05/20/26 16:09	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:08	05/20/26 16:09	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:08	05/20/26 16:09	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 16:09	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:08	05/20/26 16:09	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:08	05/20/26 16:09	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:08	05/20/26 16:09	1
Acenaphthene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 16:09	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 16:09	1
Acetophenone	**0.51**	**J**	0.96	0.15	ug/L		05/16/26 17:08	05/20/26 16:09	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:08	05/20/26 16:09	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 16:09	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:08	05/20/26 16:09	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:08	05/20/26 16:09	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:08	05/20/26 16:09	1
Bis(2-ethylhexyl) phthalate	**4.3**	**J**	9.6	2.0	ug/L		05/16/26 17:08	05/20/26 16:09	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:08	05/20/26 16:09	1
Caprolactam	**1.3**	**J**	4.8	0.65	ug/L		05/16/26 17:08	05/20/26 16:09	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 16:09	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:08	05/20/26 16:09	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:08	05/20/26 16:09	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-19S
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 16:09	1
Diethyl phthalate	**0.33**	**J**	0.96	0.24	ug/L		05/16/26 17:08	05/20/26 16:09	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:08	05/20/26 16:09	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 16:09	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/16/26 17:08	05/20/26 16:09	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:08	05/20/26 16:09	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 16:09	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:08	05/20/26 16:09	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 16:09	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:08	05/20/26 16:09	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 16:09	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:08	05/20/26 16:09	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 16:09	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 16:09	1
Naphthalene	**0.20**		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 16:09	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:08	05/20/26 16:09	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:08	05/20/26 16:09	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 16:09	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:08	05/20/26 16:09	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 16:09	1
Phenol	**0.57**	**J**	0.96	0.47	ug/L		05/16/26 17:08	05/20/26 16:09	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:08	05/20/26 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*23 - 128*	*05/16/26 17:08*	*05/20/26 16:09*	*1*
2-Fluorobiphenyl	*71*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:09*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:09*	*1*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*	*05/16/26 17:08*	*05/20/26 16:09*	*1*
Phenol-d5 (Surr)	*66*		*20 - 106*	*05/16/26 17:08*	*05/20/26 16:09*	*1*
Terphenyl-d14 (Surr)	*81*		*22 - 120*	*05/16/26 17:08*	*05/20/26 16:09*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-28
Date Collected: 05/13/26 08:55
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 19:51	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 19:51	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 19:51	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 19:51	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 19:51	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 19:51	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 19:51	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 19:51	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 19:51	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 19:51	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 19:51	1
2-Butanone	ND	*3	5.0	2.5	ug/L			05/27/26 19:51	1
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/27/26 19:51	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/27/26 19:51	1
Acetone	ND	*3	5.0	1.5	ug/L			05/27/26 19:51	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 19:51	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 19:51	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 19:51	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 19:51	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 19:51	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 19:51	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 19:51	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 19:51	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/27/26 19:51	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Methylene Chloride	**0.26**	**J ^c *+**	0.50	0.20	ug/L			05/27/26 19:51	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 19:51	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 19:51	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 19:51	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 19:51	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 19:51	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 19:51	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 19:51	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 19:51	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-28
Date Collected: 05/13/26 08:55
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/27/26 19:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/27/26 19:51*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/27/26 19:51*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/27/26 19:51*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 16:30	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 16:30	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:30	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 16:30	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 16:30	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 16:30	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 16:30	1
Acenaphthene	**0.14**	**J**	0.19	0.065	ug/L		05/16/26 17:08	05/20/26 16:30	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 16:30	1
Acetophenone	**0.52**	**J**	1.0	0.16	ug/L		05/16/26 17:08	05/20/26 16:30	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 16:30	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 16:30	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 16:30	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 16:30	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 16:30	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 16:30	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 16:30	1
Caprolactam	**0.94**	**J**	5.0	0.68	ug/L		05/16/26 17:08	05/20/26 16:30	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 16:30	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 16:30	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 16:30	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-28
Date Collected: 05/13/26 08:55
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:30	1
Diethyl phthalate	**0.26**	**J**	1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:30	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 16:30	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 16:30	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 16:30	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 16:30	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 16:30	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 16:30	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 16:30	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 16:30	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 16:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 16:30	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:30	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 16:30	1
Naphthalene	**0.12**	**J**	0.19	0.059	ug/L		05/16/26 17:08	05/20/26 16:30	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 16:30	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 16:30	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:30	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 16:30	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 16:30	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 16:30	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*23 - 128*	*05/16/26 17:08*	*05/20/26 16:30*	*1*
2-Fluorobiphenyl	*49*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:30*	*1*
2-Fluorophenol (Surr)	*45*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:30*	*1*
Nitrobenzene-d5 (Surr)	*47*		*20 - 107*	*05/16/26 17:08*	*05/20/26 16:30*	*1*
Phenol-d5 (Surr)	*49*		*20 - 106*	*05/16/26 17:08*	*05/20/26 16:30*	*1*
Terphenyl-d14 (Surr)	*54*		*22 - 120*	*05/16/26 17:08*	*05/20/26 16:30*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-17

Date Collected: 05/13/26 10:45
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 20:13	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 20:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 20:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 20:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 20:13	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 20:13	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 20:13	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:13	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 20:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:13	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:13	1
2-Butanone	ND	*3	5.0	2.5	ug/L			05/27/26 20:13	1
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/27/26 20:13	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/27/26 20:13	1
Acetone	**9.1**	***3**	5.0	1.5	ug/L			05/27/26 20:13	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 20:13	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 20:13	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:13	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 20:13	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 20:13	1
cis-1,2-Dichloroethene	**0.15**	**J**	0.50	0.080	ug/L			05/27/26 20:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 20:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 20:13	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/27/26 20:13	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Methylene Chloride	**0.20**	**J ^c *+**	0.50	0.20	ug/L			05/27/26 20:13	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 20:13	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 20:13	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 20:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 20:13	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 20:13	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 20:13	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 20:13	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 20:13	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-17

Date Collected: 05/13/26 10:45
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-6

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/27/26 20:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/27/26 20:13*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/27/26 20:13*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/27/26 20:13*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 16:51	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 16:51	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:51	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 16:51	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 16:51	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 16:51	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 16:51	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 16:51	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 16:51	1
Acetophenone	**1.0**		1.0	0.16	ug/L		05/16/26 17:08	05/20/26 16:51	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 16:51	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 16:51	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 16:51	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 16:51	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 16:51	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 16:51	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 16:51	1
Caprolactam	ND		5.0	0.68	ug/L		05/16/26 17:08	05/20/26 16:51	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 16:51	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 16:51	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 16:51	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-17
Date Collected: 05/13/26 10:45
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-6
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:51	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:51	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 16:51	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 16:51	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 16:51	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 16:51	1
Fluorene	**0.078**	**J**	0.19	0.069	ug/L		05/16/26 17:08	05/20/26 16:51	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 16:51	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 16:51	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 16:51	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 16:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 16:51	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 16:51	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 16:51	1
Naphthalene	**0.20**		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 16:51	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 16:51	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 16:51	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 16:51	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 16:51	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 16:51	1
Phenol	**1.1**		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 16:51	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*23 - 128*	*05/16/26 17:08*	*05/20/26 16:51*	*1*
2-Fluorobiphenyl	*63*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:51*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 105*	*05/16/26 17:08*	*05/20/26 16:51*	*1*
Nitrobenzene-d5 (Surr)	*63*		*20 - 107*	*05/16/26 17:08*	*05/20/26 16:51*	*1*
Phenol-d5 (Surr)	*65*		*20 - 106*	*05/16/26 17:08*	*05/20/26 16:51*	*1*
Terphenyl-d14 (Surr)	*48*		*22 - 120*	*05/16/26 17:08*	*05/20/26 16:51*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-24
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 20:35	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 20:35	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 20:35	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 20:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 20:35	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 20:35	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 20:35	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:35	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 20:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:35	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:35	1
2-Butanone	ND	H	5.0	2.5	ug/L			05/28/26 14:27	1
2-Hexanone	ND	H	5.0	2.0	ug/L			05/28/26 14:27	1
4-Methyl-2-pentanone	ND	H	5.0	1.0	ug/L			05/28/26 14:27	1
Acetone	ND	H	5.0	1.5	ug/L			05/28/26 14:27	1
Benzene	**8.6**		0.50	0.10	ug/L			05/27/26 20:35	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 20:35	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 20:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 20:35	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 20:35	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 20:35	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 20:35	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 20:35	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 20:35	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Methyl acetate	ND	H	1.0	0.20	ug/L			05/28/26 14:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Methylene Chloride	**0.29**	**J H**	0.50	0.20	ug/L			05/28/26 14:27	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 20:35	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 20:35	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 20:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 20:35	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 20:35	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 20:35	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 20:35	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 20:35	1

Client Sample ID: MW-24
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/27/26 20:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 14:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/27/26 20:35*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/28/26 14:27*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/27/26 20:35*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/28/26 14:27*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/27/26 20:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/28/26 14:27*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 17:12	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 17:12	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:12	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 17:12	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 17:12	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 17:12	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 17:12	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 17:12	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 17:12	1
Acetophenone	**0.68**	**J**	1.0	0.16	ug/L		05/16/26 17:08	05/20/26 17:12	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 17:12	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 17:12	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 17:12	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 17:12	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 17:12	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 17:12	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 17:12	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-24
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-7
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	**1.0**	**J**	5.0	0.68	ug/L		05/16/26 17:08	05/20/26 17:12	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 17:12	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 17:12	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 17:12	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:12	1
Diethyl phthalate	**0.35**	**J**	1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:12	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 17:12	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 17:12	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 17:12	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 17:12	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 17:12	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 17:12	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 17:12	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 17:12	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 17:12	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 17:12	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:12	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 17:12	1
Naphthalene	**0.23**		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 17:12	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 17:12	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 17:12	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:12	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 17:12	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 17:12	1
Phenol	**1.2**		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 17:12	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*23 - 128*	*05/16/26 17:08*	*05/20/26 17:12*	*1*
2-Fluorobiphenyl	*63*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:12*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:12*	*1*
Nitrobenzene-d5 (Surr)	*60*		*20 - 107*	*05/16/26 17:08*	*05/20/26 17:12*	*1*
Phenol-d5 (Surr)	*61*		*20 - 106*	*05/16/26 17:08*	*05/20/26 17:12*	*1*
Terphenyl-d14 (Surr)	*65*		*22 - 120*	*05/16/26 17:08*	*05/20/26 17:12*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-19D
Date Collected: 05/13/26 15:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:59	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 13:59	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:59	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 13:59	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 13:59	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 13:59	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:59	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 13:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:59	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:59	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 13:59	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 13:59	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 13:59	1
Acetone	ND		5.0	1.5	ug/L			05/27/26 13:59	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 13:59	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 13:59	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 13:59	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:59	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 13:59	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 13:59	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:59	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 13:59	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 13:59	1
Ethylbenzene	**1.4**		0.50	0.080	ug/L			05/27/26 13:59	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 13:59	1
Isopropylbenzene	**0.56**		0.50	0.080	ug/L			05/27/26 13:59	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 13:59	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 13:59	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Methylene Chloride	ND	H	0.50	0.20	ug/L			05/28/26 14:49	1
Styrene	**0.16**	**J**	0.50	0.070	ug/L			05/27/26 13:59	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 13:59	1
Toluene	**0.61**		0.50	0.080	ug/L			05/27/26 13:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:59	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 13:59	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:59	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 13:59	1
Xylene (total)	**3.6**		1.0	0.070	ug/L			05/27/26 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/27/26 13:59*	*1*

Client Sample ID: MW-19D
Date Collected: 05/13/26 15:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 14:49*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*05/27/26 13:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/28/26 14:49*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*05/27/26 13:59*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/28/26 14:49*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/27/26 13:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/28/26 14:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**190**		5.0	1.0	ug/L			05/23/26 04:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/23/26 04:54*	*10*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 04:54*	*10*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/23/26 04:54*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/23/26 04:54*	*10*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.60**	**J**	1.0	0.14	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4-Dimethylphenol	**2.7**		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 17:33	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Methylnaphthalene	**0.22**		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Methylphenol	**1.3**		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 17:33	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:33	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 17:33	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 17:33	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 17:33	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 17:33	1
Acenaphthene	**3.5**		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 17:33	1
Acenaphthylene	**1.5**		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 17:33	1
Acetophenone	**0.86**	**J**	1.0	0.16	ug/L		05/16/26 17:08	05/20/26 17:33	1
Anthracene	**0.45**		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 17:33	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 17:33	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 17:33	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-19D
Date Collected: 05/13/26 15:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-8
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 17:33	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 17:33	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 17:33	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 17:33	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 17:33	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 17:33	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 17:33	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 17:33	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 17:33	1
Caprolactam	**1.6**	**J**	5.0	0.68	ug/L		05/16/26 17:08	05/20/26 17:33	1
Carbazole	**6.9**		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 17:33	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 17:33	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 17:33	1
Dibenzofuran	**3.2**		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:33	1
Diethyl phthalate	**0.31**	**J**	1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:33	1
Dimethyl phthalate	**0.40**	**J**	2.0	0.20	ug/L		05/16/26 17:08	05/20/26 17:33	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 17:33	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 17:33	1
Fluoranthene	**0.41**		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 17:33	1
Fluorene	**5.2**		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 17:33	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 17:33	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 17:33	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 17:33	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 17:33	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 17:33	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 17:33	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 17:33	1
Naphthalene	**27**		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 17:33	1
Nitrobenzene	**0.74**	**J**	2.0	0.50	ug/L		05/16/26 17:08	05/20/26 17:33	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 17:33	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 17:33	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 17:33	1
Phenanthrene	**2.8**		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 17:33	1
Phenol	**1.8**		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 17:33	1
Pyrene	**0.23**		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*23 - 128*	*05/16/26 17:08*	*05/20/26 17:33*	*1*
2-Fluorobiphenyl	*66*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:33*	*1*
2-Fluorophenol (Surr)	*52*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:33*	*1*
Nitrobenzene-d5 (Surr)	*58*		*20 - 107*	*05/16/26 17:08*	*05/20/26 17:33*	*1*
Phenol-d5 (Surr)	*61*		*20 - 106*	*05/16/26 17:08*	*05/20/26 17:33*	*1*
Terphenyl-d14 (Surr)	*84*		*22 - 120*	*05/16/26 17:08*	*05/20/26 17:33*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-37
Date Collected: 05/13/26 08:35
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 00:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 00:49	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 00:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/23/26 00:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/23/26 00:49	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 00:49	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:49	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/23/26 00:49	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:49	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:49	1
2-Butanone	ND		5.0	2.5	ug/L			05/23/26 00:49	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 00:49	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 00:49	1
Acetone	ND		5.0	1.5	ug/L			05/23/26 00:49	1
Benzene	**0.61**		0.50	0.10	ug/L			05/23/26 00:49	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Bromoform	ND	^c	1.0	0.30	ug/L			05/23/26 00:49	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 00:49	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 00:49	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 00:49	1
Chloromethane	ND		0.50	0.22	ug/L			05/23/26 00:49	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Cyclohexane	ND	*+	0.50	0.10	ug/L			05/23/26 00:49	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/23/26 00:49	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Freon 113	ND		0.50	0.17	ug/L			05/23/26 00:49	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Methyl acetate	ND		1.0	0.20	ug/L			05/23/26 00:49	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Methylene Chloride	**0.28**	**J**	0.50	0.20	ug/L			05/23/26 00:49	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 00:49	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 00:49	1
Toluene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 00:49	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 00:49	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 00:49	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 00:49	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-37
Date Collected: 05/13/26 08:35
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-9
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/23/26 00:49*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 00:49*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/23/26 00:49*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/23/26 00:49*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:08	05/20/26 17:54	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Methylnaphthalene	ND		0.18	0.060	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:08	05/20/26 17:54	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:08	05/20/26 17:54	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 17:54	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:08	05/20/26 17:54	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:08	05/20/26 17:54	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:08	05/20/26 17:54	1
Acenaphthene	**0.063**	**J**	0.18	0.063	ug/L		05/16/26 17:08	05/20/26 17:54	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 17:54	1
Acetophenone	**0.81**	**J**	0.96	0.15	ug/L		05/16/26 17:08	05/20/26 17:54	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:08	05/20/26 17:54	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 17:54	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:08	05/20/26 17:54	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:08	05/20/26 17:54	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:08	05/20/26 17:54	1
Bis(2-ethylhexyl) phthalate	**7.2**	**J**	9.6	2.0	ug/L		05/16/26 17:08	05/20/26 17:54	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:08	05/20/26 17:54	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:08	05/20/26 17:54	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 17:54	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:08	05/20/26 17:54	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:08	05/20/26 17:54	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-37
Date Collected: 05/13/26 08:35
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 17:54	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 17:54	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:08	05/20/26 17:54	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 17:54	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/16/26 17:08	05/20/26 17:54	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:08	05/20/26 17:54	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 17:54	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:08	05/20/26 17:54	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 17:54	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:08	05/20/26 17:54	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:08	05/20/26 17:54	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 17:54	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 17:54	1
Naphthalene	**1.1**		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 17:54	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:08	05/20/26 17:54	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:08	05/20/26 17:54	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 17:54	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:08	05/20/26 17:54	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 17:54	1
Phenol	**0.79**	**J**	0.96	0.47	ug/L		05/16/26 17:08	05/20/26 17:54	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:08	05/20/26 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*23 - 128*	*05/16/26 17:08*	*05/20/26 17:54*	*1*
2-Fluorobiphenyl	*66*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:54*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 105*	*05/16/26 17:08*	*05/20/26 17:54*	*1*
Nitrobenzene-d5 (Surr)	*65*		*20 - 107*	*05/16/26 17:08*	*05/20/26 17:54*	*1*
Phenol-d5 (Surr)	*67*		*20 - 106*	*05/16/26 17:08*	*05/20/26 17:54*	*1*
Terphenyl-d14 (Surr)	*75*		*22 - 120*	*05/16/26 17:08*	*05/20/26 17:54*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-45
Date Collected: 05/13/26 10:05
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	160	ug/L			05/23/26 05:39	2000
1,1,2,2-Tetrachloroethane	ND		1000	200	ug/L			05/23/26 05:39	2000
1,1,2-Trichloroethane	ND		1000	160	ug/L			05/23/26 05:39	2000
1,1-Dichloroethane	ND		1000	200	ug/L			05/23/26 05:39	2000
1,1-Dichloroethene	ND		1000	200	ug/L			05/23/26 05:39	2000
1,2,4-Trichlorobenzene	ND		1000	300	ug/L			05/23/26 05:39	2000
1,2-Dibromo-3-Chloropropane	ND		1000	500	ug/L			05/23/26 05:39	2000
1,2-Dibromoethane	ND		1000	160	ug/L			05/23/26 05:39	2000
1,2-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 05:39	2000
1,2-Dichloroethane	ND		1000	340	ug/L			05/23/26 05:39	2000
1,2-Dichloropropane	ND		1000	200	ug/L			05/23/26 05:39	2000
1,3-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 05:39	2000
1,4-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 05:39	2000
2-Butanone	ND		10000	5000	ug/L			05/23/26 05:39	2000
2-Hexanone	ND		10000	4000	ug/L			05/23/26 05:39	2000
4-Methyl-2-pentanone	ND		10000	2000	ug/L			05/23/26 05:39	2000
Acetone	ND		10000	3000	ug/L			05/23/26 05:39	2000
Bromodichloromethane	ND		1000	160	ug/L			05/23/26 05:39	2000
Bromoform	ND	^c	2000	600	ug/L			05/23/26 05:39	2000
Bromomethane	ND		1000	200	ug/L			05/23/26 05:39	2000
Carbon disulfide	ND		2000	200	ug/L			05/23/26 05:39	2000
Carbon tetrachloride	ND		1000	200	ug/L			05/23/26 05:39	2000
Chlorobenzene	ND		1000	140	ug/L			05/23/26 05:39	2000
Chloroethane	ND		1000	200	ug/L			05/23/26 05:39	2000
Chloroform	ND		1000	180	ug/L			05/23/26 05:39	2000
Chloromethane	ND		1000	440	ug/L			05/23/26 05:39	2000
cis-1,2-Dichloroethene	ND		1000	160	ug/L			05/23/26 05:39	2000
cis-1,3-Dichloropropene	ND		1000	200	ug/L			05/23/26 05:39	2000
Cyclohexane	ND	*+	1000	200	ug/L			05/23/26 05:39	2000
Dibromochloromethane	ND		1000	160	ug/L			05/23/26 05:39	2000
Dichlorodifluoromethane	ND		1000	440	ug/L			05/23/26 05:39	2000
Ethylbenzene	ND		1000	160	ug/L			05/23/26 05:39	2000
Freon 113	ND		1000	340	ug/L			05/23/26 05:39	2000
Isopropylbenzene	ND		1000	160	ug/L			05/23/26 05:39	2000
Methyl acetate	ND		2000	400	ug/L			05/23/26 05:39	2000
Methyl tertiary butyl ether	ND		1000	160	ug/L			05/23/26 05:39	2000
Methylcyclohexane	ND		1000	200	ug/L			05/23/26 05:39	2000
Methylene Chloride	ND		1000	400	ug/L			05/23/26 05:39	2000
Styrene	ND		1000	140	ug/L			05/23/26 05:39	2000
Tetrachloroethene	ND		1000	400	ug/L			05/23/26 05:39	2000
Toluene	**8200**		1000	160	ug/L			05/23/26 05:39	2000
trans-1,2-Dichloroethene	ND		1000	200	ug/L			05/23/26 05:39	2000
trans-1,3-Dichloropropene	ND		1000	160	ug/L			05/23/26 05:39	2000
Trichloroethene	ND		1000	160	ug/L			05/23/26 05:39	2000
Trichlorofluoromethane	ND		1000	200	ug/L			05/23/26 05:39	2000
Vinyl chloride	ND		1000	200	ug/L			05/23/26 05:39	2000
Xylene (total)	**1300**	**J**	2000	140	ug/L			05/23/26 05:39	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/23/26 05:39*	*2000*

Client Sample ID: MW-45
Date Collected: 05/13/26 10:05
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/23/26 05:39*	*2000*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*05/23/26 05:39*	*2000*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/23/26 05:39*	*2000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**140000**		10000	2000	ug/L			05/23/26 06:01	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 06:01*	*20000*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 06:01*	*20000*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/23/26 06:01*	*20000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/23/26 06:01*	*20000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4-Dimethylphenol	**20**		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:08	05/20/26 18:15	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Methylnaphthalene	**0.36**		0.18	0.060	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Methylphenol	**38**		0.96	0.54	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:08	05/20/26 18:15	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:08	05/20/26 18:15	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:08	05/20/26 18:15	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:08	05/20/26 18:15	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:08	05/20/26 18:15	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:08	05/20/26 18:15	1
Acenaphthene	**0.14**	**J**	0.18	0.063	ug/L		05/16/26 17:08	05/20/26 18:15	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:08	05/20/26 18:15	1
Acetophenone	**170**	**E**	0.96	0.15	ug/L		05/16/26 17:08	05/20/26 18:15	1
Anthracene	**0.099**	**J**	0.18	0.047	ug/L		05/16/26 17:08	05/20/26 18:15	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:08	05/20/26 18:15	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:08	05/20/26 18:15	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:08	05/20/26 18:15	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:08	05/20/26 18:15	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:08	05/20/26 18:15	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 18:15	1

Client Sample ID: MW-45
Date Collected: 05/13/26 10:05
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-10
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:08	05/20/26 18:15	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:08	05/20/26 18:15	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:08	05/20/26 18:15	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:08	05/20/26 18:15	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:08	05/20/26 18:15	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:08	05/20/26 18:15	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:08	05/20/26 18:15	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:08	05/20/26 18:15	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:08	05/20/26 18:15	1
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 18:15	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 18:15	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:08	05/20/26 18:15	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:08	05/20/26 18:15	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/16/26 17:08	05/20/26 18:15	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:08	05/20/26 18:15	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:08	05/20/26 18:15	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:08	05/20/26 18:15	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:08	05/20/26 18:15	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:08	05/20/26 18:15	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:08	05/20/26 18:15	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:08	05/20/26 18:15	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:08	05/20/26 18:15	1
Methylphenol, 3 & 4	**63**	**E**	0.96	0.36	ug/L		05/16/26 17:08	05/20/26 18:15	1
Naphthalene	**3.7**		0.18	0.057	ug/L		05/16/26 17:08	05/20/26 18:15	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:08	05/20/26 18:15	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:08	05/20/26 18:15	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:08	05/20/26 18:15	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:08	05/20/26 18:15	1
Phenanthrene	**0.16**	**J**	0.18	0.15	ug/L		05/16/26 17:08	05/20/26 18:15	1
Phenol	**160**	**E**	0.96	0.47	ug/L		05/16/26 17:08	05/20/26 18:15	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:08	05/20/26 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*23 - 128*	*05/16/26 17:08*	*05/20/26 18:15*	*1*
2-Fluorobiphenyl	*47*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:15*	*1*
2-Fluorophenol (Surr)	*38*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:15*	*1*
Nitrobenzene-d5 (Surr)	*42*		*20 - 107*	*05/16/26 17:08*	*05/20/26 18:15*	*1*
Phenol-d5 (Surr)	*38*		*20 - 106*	*05/16/26 17:08*	*05/20/26 18:15*	*1*
Terphenyl-d14 (Surr)	*47*		*22 - 120*	*05/16/26 17:08*	*05/20/26 18:15*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		24	3.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,2'-oxybis[1-chloropropane]	ND		4.6	2.9	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4,5-Trichlorophenol	ND		24	6.1	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4,6-Trichlorophenol	ND		24	5.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4-Dichlorophenol	ND		4.6	1.2	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4-Dimethylphenol	**21**	**J**	24	14	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4-Dinitrophenol	ND		240	78	ug/L		05/16/26 17:08	05/21/26 13:52	25
2,4-Dinitrotoluene	ND		24	8.5	ug/L		05/16/26 17:08	05/21/26 13:52	25

Client: Michael Baker International, Inc.
Job ID: 180-205417-1
Project/Site: Erie Coke Works

Client Sample ID: MW-45
Lab Sample ID: 180-205417-10
Date Collected: 05/13/26 10:05
Matrix: Water
Date Received: 05/14/26 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		24	4.2	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Chloronaphthalene	ND		4.6	1.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Chlorophenol	ND		24	5.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Methylnaphthalene	ND		4.6	1.5	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Methylphenol	**44**		24	13	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Nitroaniline	ND		120	13	ug/L		05/16/26 17:08	05/21/26 13:52	25
2-Nitrophenol	ND		24	4.6	ug/L		05/16/26 17:08	05/21/26 13:52	25
3,3'-Dichlorobenzidine	ND		24	14	ug/L		05/16/26 17:08	05/21/26 13:52	25
3-Nitroaniline	ND		120	11	ug/L		05/16/26 17:08	05/21/26 13:52	25
4,6-Dinitro-2-methylphenol	ND		120	35	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Bromophenyl phenyl ether	ND		24	7.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Chloro-3-methylphenol	ND		24	10	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Chloroaniline	ND		24	9.0	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Chlorophenyl phenyl ether	ND		24	5.3	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Nitroaniline	ND		120	8.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
4-Nitrophenol	ND		120	23	ug/L		05/16/26 17:08	05/21/26 13:52	25
Acenaphthene	ND		4.6	1.6	ug/L		05/16/26 17:08	05/21/26 13:52	25
Acenaphthylene	ND		4.6	1.6	ug/L		05/16/26 17:08	05/21/26 13:52	25
Acetophenone	**250**		24	3.8	ug/L		05/16/26 17:08	05/21/26 13:52	25
Anthracene	ND		4.6	1.2	ug/L		05/16/26 17:08	05/21/26 13:52	25
Atrazine	ND		24	7.1	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzaldehyde	ND		24	13	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzo[a]anthracene	ND		4.6	1.8	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzo[a]pyrene	ND		4.6	3.1	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzo[b]fluoranthene	ND		4.6	2.3	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzo[g,h,i]perylene	ND		4.6	1.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Benzo[k]fluoranthene	ND		4.6	2.1	ug/L		05/16/26 17:08	05/21/26 13:52	25
Bis(2-chloroethoxy)methane	ND		24	3.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Bis(2-chloroethyl)ether	ND		4.6	3.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
Bis(2-ethylhexyl) phthalate	ND		240	50	ug/L		05/16/26 17:08	05/21/26 13:52	25
Butyl benzyl phthalate	ND		48	23	ug/L		05/16/26 17:08	05/21/26 13:52	25
Caprolactam	ND		120	16	ug/L		05/16/26 17:08	05/21/26 13:52	25
Carbazole	ND		4.6	1.2	ug/L		05/16/26 17:08	05/21/26 13:52	25
Chrysene	ND		4.6	1.9	ug/L		05/16/26 17:08	05/21/26 13:52	25
Dibenz(a,h)anthracene	ND		4.6	1.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Dibenzofuran	ND		24	4.6	ug/L		05/16/26 17:08	05/21/26 13:52	25
Diethyl phthalate	ND		24	6.0	ug/L		05/16/26 17:08	05/21/26 13:52	25
Dimethyl phthalate	ND		48	4.8	ug/L		05/16/26 17:08	05/21/26 13:52	25
Di-n-butyl phthalate	ND		24	9.1	ug/L		05/16/26 17:08	05/21/26 13:52	25
Di-n-octyl phthalate	ND	^c	24	16	ug/L		05/16/26 17:08	05/21/26 13:52	25
Fluoranthene	ND		4.6	1.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
Fluorene	ND		4.6	1.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Hexachlorobenzene	ND		4.6	1.3	ug/L		05/16/26 17:08	05/21/26 13:52	25
Hexachlorobutadiene	ND		4.6	3.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Hexachlorocyclopentadiene	ND		24	12	ug/L		05/16/26 17:08	05/21/26 13:52	25
Hexachloroethane	ND		24	7.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
Indeno[1,2,3-cd]pyrene	ND		4.6	2.0	ug/L		05/16/26 17:08	05/21/26 13:52	25
Isophorone	ND		24	4.5	ug/L		05/16/26 17:08	05/21/26 13:52	25
Methylphenol, 3 & 4	**80**		24	8.9	ug/L		05/16/26 17:08	05/21/26 13:52	25

Client Sample ID: MW-45
Date Collected: 05/13/26 10:05
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-10
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**4.1**	**J**	4.6	1.4	ug/L		05/16/26 17:08	05/21/26 13:52	25
Nitrobenzene	ND		48	12	ug/L		05/16/26 17:08	05/21/26 13:52	25
N-Nitrosodi-n-propylamine	ND		4.6	1.7	ug/L		05/16/26 17:08	05/21/26 13:52	25
N-Nitrosodiphenylamine	ND		24	6.0	ug/L		05/16/26 17:08	05/21/26 13:52	25
Pentachlorophenol	ND		120	20	ug/L		05/16/26 17:08	05/21/26 13:52	25
Phenanthrene	ND		4.6	3.8	ug/L		05/16/26 17:08	05/21/26 13:52	25
Phenol	**220**		24	12	ug/L		05/16/26 17:08	05/21/26 13:52	25
Pyrene	ND		4.6	2.7	ug/L		05/16/26 17:08	05/21/26 13:52	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/16/26 17:08*	*05/21/26 13:52*	*25*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 13:52*	*25*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 13:52*	*25*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/16/26 17:08*	*05/21/26 13:52*	*25*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/16/26 17:08*	*05/21/26 13:52*	*25*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/16/26 17:08*	*05/21/26 13:52*	*25*

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.81**		1.00	0.712	mg/L			05/15/26 03:46	1
Sulfate	**471**		5.00	3.78	mg/L			05/15/26 04:00	5
Nitrate as N	ND	^c	0.100	0.0230	mg/L			05/15/26 03:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 45.0**		150	120	mg/L			05/22/26 10:39	10
Turbidity (EPA 180.1)	**350**		8.5	0.50	NTU			05/15/26 08:52	10
Total Dissolved Solids (SM 2540C)	**920**		10	10	mg/L			05/19/26 17:18	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**160**		5.0	5.0	mg/L			05/19/26 16:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**6.5**	**HF**	0.1	0.1	SU			05/16/26 15:35	1
Specific Conductance (SM 2510B)	**1200**		1.0	1.0	umhos/cm			05/15/26 15:56	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-45-DUP
Date Collected: 05/13/26 10:20
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	160	ug/L			05/23/26 06:23	2000
1,1,2,2-Tetrachloroethane	ND		1000	200	ug/L			05/23/26 06:23	2000
1,1,2-Trichloroethane	ND		1000	160	ug/L			05/23/26 06:23	2000
1,1-Dichloroethane	ND		1000	200	ug/L			05/23/26 06:23	2000
1,1-Dichloroethene	ND		1000	200	ug/L			05/23/26 06:23	2000
1,2,4-Trichlorobenzene	ND		1000	300	ug/L			05/23/26 06:23	2000
1,2-Dibromo-3-Chloropropane	ND		1000	500	ug/L			05/23/26 06:23	2000
1,2-Dibromoethane	ND		1000	160	ug/L			05/23/26 06:23	2000
1,2-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 06:23	2000
1,2-Dichloroethane	ND		1000	340	ug/L			05/23/26 06:23	2000
1,2-Dichloropropane	ND		1000	200	ug/L			05/23/26 06:23	2000
1,3-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 06:23	2000
1,4-Dichlorobenzene	ND		1000	140	ug/L			05/23/26 06:23	2000
2-Butanone	ND		10000	5000	ug/L			05/23/26 06:23	2000
2-Hexanone	ND		10000	4000	ug/L			05/23/26 06:23	2000
4-Methyl-2-pentanone	ND		10000	2000	ug/L			05/23/26 06:23	2000
Acetone	ND		10000	3000	ug/L			05/23/26 06:23	2000
Bromodichloromethane	ND		1000	160	ug/L			05/23/26 06:23	2000
Bromoform	ND	^c	2000	600	ug/L			05/23/26 06:23	2000
Bromomethane	ND		1000	200	ug/L			05/23/26 06:23	2000
Carbon disulfide	ND		2000	200	ug/L			05/23/26 06:23	2000
Carbon tetrachloride	ND		1000	200	ug/L			05/23/26 06:23	2000
Chlorobenzene	ND		1000	140	ug/L			05/23/26 06:23	2000
Chloroethane	ND		1000	200	ug/L			05/23/26 06:23	2000
Chloroform	ND		1000	180	ug/L			05/23/26 06:23	2000
Chloromethane	ND		1000	440	ug/L			05/23/26 06:23	2000
cis-1,2-Dichloroethene	ND		1000	160	ug/L			05/23/26 06:23	2000
cis-1,3-Dichloropropene	ND		1000	200	ug/L			05/23/26 06:23	2000
Cyclohexane	ND	*+	1000	200	ug/L			05/23/26 06:23	2000
Dibromochloromethane	ND		1000	160	ug/L			05/23/26 06:23	2000
Dichlorodifluoromethane	ND		1000	440	ug/L			05/23/26 06:23	2000
Ethylbenzene	ND		1000	160	ug/L			05/23/26 06:23	2000
Freon 113	ND		1000	340	ug/L			05/23/26 06:23	2000
Isopropylbenzene	ND		1000	160	ug/L			05/23/26 06:23	2000
Methyl acetate	ND		2000	400	ug/L			05/23/26 06:23	2000
Methyl tertiary butyl ether	ND		1000	160	ug/L			05/23/26 06:23	2000
Methylcyclohexane	ND		1000	200	ug/L			05/23/26 06:23	2000
Methylene Chloride	ND		1000	400	ug/L			05/23/26 06:23	2000
Styrene	ND		1000	140	ug/L			05/23/26 06:23	2000
Tetrachloroethene	ND		1000	400	ug/L			05/23/26 06:23	2000
Toluene	**7600**		1000	160	ug/L			05/23/26 06:23	2000
trans-1,2-Dichloroethene	ND		1000	200	ug/L			05/23/26 06:23	2000
trans-1,3-Dichloropropene	ND		1000	160	ug/L			05/23/26 06:23	2000
Trichloroethene	ND		1000	160	ug/L			05/23/26 06:23	2000
Trichlorofluoromethane	ND		1000	200	ug/L			05/23/26 06:23	2000
Vinyl chloride	ND		1000	200	ug/L			05/23/26 06:23	2000
Xylene (total)	**970**	**J**	2000	140	ug/L			05/23/26 06:23	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/23/26 06:23*	*2000*

Client Sample ID: MW-45-DUP
Date Collected: 05/13/26 10:20
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/23/26 06:23*	*2000*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/23/26 06:23*	*2000*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/23/26 06:23*	*2000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**120000**		10000	2000	ug/L			05/23/26 06:45	20000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/23/26 06:45*	*20000*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*05/23/26 06:45*	*20000*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/23/26 06:45*	*20000*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/23/26 06:45*	*20000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4-Dimethylphenol	**29**		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 18:36	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Methylnaphthalene	**0.53**		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Methylphenol	**54**	**E**	1.0	0.56	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 18:36	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:36	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 18:36	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 18:36	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 18:36	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 18:36	1
Acenaphthene	**0.19**		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 18:36	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 18:36	1
Acetophenone	**250**	**E**	1.0	0.16	ug/L		05/16/26 17:08	05/20/26 18:36	1
Anthracene	**0.15**	**J**	0.19	0.049	ug/L		05/16/26 17:08	05/20/26 18:36	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 18:36	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 18:36	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 18:36	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 18:36	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 18:36	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 18:36	1

Client Sample ID: MW-45-DUP
Date Collected: 05/13/26 10:20
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-11
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 18:36	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 18:36	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 18:36	1
Bis(2-ethylhexyl) phthalate	**8.0**	**J**	10	2.1	ug/L		05/16/26 17:08	05/20/26 18:36	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 18:36	1
Caprolactam	**10**		5.0	0.68	ug/L		05/16/26 17:08	05/20/26 18:36	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 18:36	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 18:36	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 18:36	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:36	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:36	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 18:36	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 18:36	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 18:36	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 18:36	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 18:36	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 18:36	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 18:36	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 18:36	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 18:36	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 18:36	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:36	1
Methylphenol, 3 & 4	**92**	**E**	1.0	0.37	ug/L		05/16/26 17:08	05/20/26 18:36	1
Naphthalene	**5.0**		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 18:36	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 18:36	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 18:36	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:36	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 18:36	1
Phenanthrene	**0.23**		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 18:36	1
Phenol	**240**	**E**	1.0	0.49	ug/L		05/16/26 17:08	05/20/26 18:36	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*23 - 128*	*05/16/26 17:08*	*05/20/26 18:36*	*1*
2-Fluorobiphenyl	*61*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:36*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:36*	*1*
Nitrobenzene-d5 (Surr)	*59*		*20 - 107*	*05/16/26 17:08*	*05/20/26 18:36*	*1*
Phenol-d5 (Surr)	*51*		*20 - 106*	*05/16/26 17:08*	*05/20/26 18:36*	*1*
Terphenyl-d14 (Surr)	*55*		*22 - 120*	*05/16/26 17:08*	*05/20/26 18:36*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	**67**		40	22	ug/L		05/16/26 17:08	05/21/26 14:14	40
Acetophenone	**350**		40	6.4	ug/L		05/16/26 17:08	05/21/26 14:14	40
Methylphenol, 3 & 4	**120**		40	15	ug/L		05/16/26 17:08	05/21/26 14:14	40
Phenol	**330**		40	19	ug/L		05/16/26 17:08	05/21/26 14:14	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/16/26 17:08*	*05/21/26 14:14*	*40*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 14:14*	*40*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-45-DUP

Date Collected: 05/13/26 10:20
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-11

Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/16/26 17:08*	*05/21/26 14:14*	*40*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/16/26 17:08*	*05/21/26 14:14*	*40*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/16/26 17:08*	*05/21/26 14:14*	*40*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/16/26 17:08*	*05/21/26 14:14*	*40*

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.97**		1.00	0.712	mg/L			05/15/26 04:15	1
Sulfate	**476**		5.00	3.78	mg/L			05/15/26 04:29	5
Nitrate as N	**0.0402**	**J H**	0.100	0.0230	mg/L			05/16/26 01:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 36.96**		150	120	mg/L			05/22/26 10:39	10
Turbidity (EPA 180.1)	**360**		8.5	0.50	NTU			05/15/26 08:52	10
Total Dissolved Solids (SM 2540C)	**960**		10	10	mg/L			05/19/26 17:18	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**160**		5.0	5.0	mg/L			05/19/26 16:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**6.5**	**HF**	0.1	0.1	SU			05/16/26 15:34	1
Specific Conductance (SM 2510B)	**1200**		1.0	1.0	umhos/cm			05/15/26 15:58	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5S

Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:37	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/27/26 13:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:37	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 13:37	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 13:37	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 13:37	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:37	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 13:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:37	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:37	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 13:37	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 13:37	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 13:37	1
Acetone	**3.7**	**J**	5.0	1.5	ug/L			05/27/26 13:37	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 13:37	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 13:37	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:37	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 13:37	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 13:37	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 13:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 13:37	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 13:37	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Methylene Chloride	ND	^c *+	0.50	0.20	ug/L			05/27/26 13:37	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 13:37	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 13:37	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 13:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:37	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/27/26 13:37	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:37	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 13:37	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 13:37	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5S

Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-12

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/27/26 13:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/27/26 13:37*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/27/26 13:37*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/27/26 13:37*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 18:57	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 18:57	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:57	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 18:57	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 18:57	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 18:57	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 18:57	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 18:57	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 18:57	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:08	05/20/26 18:57	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 18:57	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 18:57	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 18:57	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 18:57	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 18:57	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 18:57	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 18:57	1
Caprolactam	ND		5.0	0.68	ug/L		05/16/26 17:08	05/20/26 18:57	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 18:57	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 18:57	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 18:57	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5S
Date Collected: 05/13/26 14:15
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-12
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:57	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:57	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 18:57	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 18:57	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 18:57	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 18:57	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 18:57	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 18:57	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 18:57	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 18:57	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 18:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 18:57	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 18:57	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 18:57	1
Naphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 18:57	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 18:57	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 18:57	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 18:57	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 18:57	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 18:57	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 18:57	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*23 - 128*	*05/16/26 17:08*	*05/20/26 18:57*	*1*
2-Fluorobiphenyl	*45*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:57*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*05/16/26 17:08*	*05/20/26 18:57*	*1*
Nitrobenzene-d5 (Surr)	*44*		*20 - 107*	*05/16/26 17:08*	*05/20/26 18:57*	*1*
Phenol-d5 (Surr)	*40*		*20 - 106*	*05/16/26 17:08*	*05/20/26 18:57*	*1*
Terphenyl-d14 (Surr)	*38*		*22 - 120*	*05/16/26 17:08*	*05/20/26 18:57*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5D
Date Collected: 05/13/26 15:25
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:45	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/23/26 01:45	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:45	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/23/26 01:45	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/23/26 01:45	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 01:45	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:45	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/23/26 01:45	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:45	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:45	1
2-Butanone	ND		5.0	2.5	ug/L			05/23/26 01:45	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 01:45	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 01:45	1
Acetone	ND		5.0	1.5	ug/L			05/23/26 01:45	1
Benzene	**0.13**	**J**	0.50	0.10	ug/L			05/23/26 01:45	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 01:45	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 01:45	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:45	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 01:45	1
Chloromethane	ND		0.50	0.22	ug/L			05/23/26 01:45	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/23/26 01:45	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Freon 113	ND		0.50	0.17	ug/L			05/23/26 01:45	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/23/26 01:45	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/23/26 01:45	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 01:45	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 01:45	1
Toluene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:45	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:45	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 01:45	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 01:45	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5D
Date Collected: 05/13/26 15:25
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/23/26 01:45*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/23/26 01:45*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/23/26 01:45*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/23/26 01:45*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 19:18	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 19:18	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 19:18	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 19:18	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 19:18	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 19:18	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 19:18	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 19:18	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 19:18	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:08	05/20/26 19:18	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 19:18	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 19:18	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 19:18	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 19:18	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 19:18	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 19:18	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 19:18	1
Caprolactam	**1.1**	**J**	5.0	0.68	ug/L		05/16/26 17:08	05/20/26 19:18	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 19:18	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 19:18	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 19:18	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: MW-5D
Date Collected: 05/13/26 15:25
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-13
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 19:18	1
Diethyl phthalate	**0.29**	**J**	1.0	0.25	ug/L		05/16/26 17:08	05/20/26 19:18	1
Dimethyl phthalate	**0.21**	**J**	2.0	0.20	ug/L		05/16/26 17:08	05/20/26 19:18	1
Di-n-butyl phthalate	**0.38**	**J**	1.0	0.38	ug/L		05/16/26 17:08	05/20/26 19:18	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 19:18	1
Fluoranthene	**0.12**	**J**	0.19	0.060	ug/L		05/16/26 17:08	05/20/26 19:18	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 19:18	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 19:18	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 19:18	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 19:18	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 19:18	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 19:18	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 19:18	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 19:18	1
Naphthalene	**0.11**	**J**	0.19	0.059	ug/L		05/16/26 17:08	05/20/26 19:18	1
Nitrobenzene	**4.0**		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 19:18	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 19:18	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 19:18	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 19:18	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 19:18	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 19:18	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*23 - 128*	*05/16/26 17:08*	*05/20/26 19:18*	*1*
2-Fluorobiphenyl	*53*		*20 - 105*	*05/16/26 17:08*	*05/20/26 19:18*	*1*
2-Fluorophenol (Surr)	*43*		*20 - 105*	*05/16/26 17:08*	*05/20/26 19:18*	*1*
Nitrobenzene-d5 (Surr)	*45*		*20 - 107*	*05/16/26 17:08*	*05/20/26 19:18*	*1*
Phenol-d5 (Surr)	*48*		*20 - 106*	*05/16/26 17:08*	*05/20/26 19:18*	*1*
Terphenyl-d14 (Surr)	*59*		*22 - 120*	*05/16/26 17:08*	*05/20/26 19:18*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: TB-3

Date Collected: 05/13/26 00:00
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:01	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/23/26 01:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/23/26 01:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/23/26 01:01	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/23/26 01:01	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/23/26 01:01	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:01	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/23/26 01:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:01	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:01	1
2-Butanone	ND		5.0	2.5	ug/L			05/23/26 01:01	1
2-Hexanone	ND		5.0	2.0	ug/L			05/23/26 01:01	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/23/26 01:01	1
Acetone	**4.5**	**J**	5.0	1.5	ug/L			05/23/26 01:01	1
Benzene	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Bromoform	ND		1.0	0.30	ug/L			05/23/26 01:01	1
Bromomethane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/23/26 01:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/23/26 01:01	1
Chloroethane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Chloroform	ND		0.50	0.090	ug/L			05/23/26 01:01	1
Chloromethane	ND		0.50	0.22	ug/L			05/23/26 01:01	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Cyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/23/26 01:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Freon 113	ND		0.50	0.17	ug/L			05/23/26 01:01	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/23/26 01:01	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Methylene Chloride	**0.92**		0.50	0.20	ug/L			05/23/26 01:01	1
Styrene	ND		0.50	0.070	ug/L			05/23/26 01:01	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/23/26 01:01	1
Toluene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/23/26 01:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Trichloroethene	ND		0.50	0.080	ug/L			05/23/26 01:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/23/26 01:01	1
Xylene (total)	ND		1.0	0.070	ug/L			05/23/26 01:01	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

Client Sample ID: TB-3
Date Collected: 05/13/26 00:00
Date Received: 05/14/26 09:10

Lab Sample ID: 180-205417-14
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/23/26 01:01	1
4-Bromofluorobenzene (Surr)	104		80 - 120		05/23/26 01:01	1
Dibromofluoromethane (Surr)	99		80 - 120		05/23/26 01:01	1
Toluene-d8 (Surr)	106		80 - 120		05/23/26 01:01	1

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

Lab Sample ID: MB 410-822806/7
Matrix: Water
Analysis Batch: 822806

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		0.50	0.080	ug/L			05/22/26 23:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 23:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/22/26 23:20	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/22/26 23:20	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/22/26 23:20	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:20	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/22/26 23:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:20	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:20	1
2-Butanone	ND		5.0	2.5	ug/L			05/22/26 23:20	1
2-Hexanone	ND		5.0	2.0	ug/L			05/22/26 23:20	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/22/26 23:20	1
Acetone	ND		5.0	1.5	ug/L			05/22/26 23:20	1
Benzene	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Bromoform	ND		1.0	0.30	ug/L			05/22/26 23:20	1
Bromomethane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/22/26 23:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:20	1
Chloroethane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Chloroform	ND		0.50	0.090	ug/L			05/22/26 23:20	1
Chloromethane	ND		0.50	0.22	ug/L			05/22/26 23:20	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Cyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/22/26 23:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Freon 113	ND		0.50	0.17	ug/L			05/22/26 23:20	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Methyl acetate	ND		1.0	0.20	ug/L			05/22/26 23:20	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/22/26 23:20	1
Styrene	ND		0.50	0.070	ug/L			05/22/26 23:20	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/22/26 23:20	1
Toluene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Trichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:20	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/22/26 23:20	1
Xylene (total)	ND		1.0	0.070	ug/L			05/22/26 23:20	1

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

Lab Sample ID: MB 410-822806/7
Matrix: Water
Analysis Batch: 822806

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/22/26 23:20*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*05/22/26 23:20*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/22/26 23:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/22/26 23:20*	*1*

Lab Sample ID: LCS 410-822806/4
Matrix: Water
Analysis Batch: 822806

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	5.00	4.95		ug/L		99	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.65		ug/L		113	75 - 130
1,1,2-Trichloroethane	5.00	5.25		ug/L		105	80 - 120
1,1-Dichloroethane	5.00	5.82		ug/L		116	80 - 128
1,1-Dichloroethene	5.00	5.65		ug/L		113	80 - 131
1,2,4-Trichlorobenzene	5.00	5.26		ug/L		105	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.64		ug/L		93	60 - 124
1,2-Dibromoethane	5.00	4.99		ug/L		100	80 - 120
1,2-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,2-Dichloroethane	5.00	4.81		ug/L		96	79 - 128
1,2-Dichloropropane	5.00	6.11		ug/L		122	80 - 129
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,4-Dichlorobenzene	5.00	4.99		ug/L		100	80 - 120
2-Butanone	62.5	77.1		ug/L		123	67 - 141
2-Hexanone	62.5	79.4		ug/L		127	62 - 151
4-Methyl-2-pentanone	62.5	79.4		ug/L		127	63 - 140
Acetone	62.5	57.2		ug/L		92	60 - 146
Benzene	5.00	5.66		ug/L		113	80 - 120
Bromodichloromethane	5.00	5.12		ug/L		102	80 - 123
Bromoform	5.00	4.13		ug/L		83	67 - 134
Bromomethane	5.00	4.56		ug/L		91	63 - 126
Carbon disulfide	5.00	5.59		ug/L		112	67 - 130
Carbon tetrachloride	5.00	4.82		ug/L		96	77 - 132
Chlorobenzene	5.00	5.21		ug/L		104	80 - 120
Chloroethane	5.00	5.18		ug/L		104	63 - 132
Chloroform	5.00	5.18		ug/L		104	80 - 120
Chloromethane	5.00	4.83		ug/L		97	56 - 131
cis-1,2-Dichloroethene	5.00	5.55		ug/L		111	80 - 122
cis-1,3-Dichloropropene	5.00	5.28		ug/L		106	75 - 121
Cyclohexane	5.00	5.86		ug/L		117	69 - 120
Dibromochloromethane	5.00	4.43		ug/L		89	80 - 123
Dichlorodifluoromethane	5.00	3.23		ug/L		65	43 - 137
Ethylbenzene	5.00	5.28		ug/L		106	80 - 120
Freon 113	5.00	5.30		ug/L		106	61 - 124
Isopropylbenzene	5.00	5.04		ug/L		101	87 - 133
Methyl acetate	5.00	6.28		ug/L		126	45 - 143
Methyl tertiary butyl ether	5.00	4.81		ug/L		96	69 - 120
Methylcyclohexane	5.00	5.43		ug/L		109	69 - 126

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

Lab Sample ID: LCS 410-822806/4
Matrix: Water
Analysis Batch: 822806

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			5.00	5.72		ug/L		114	80 - 120		
Styrene			5.00	5.21		ug/L		104	80 - 120		
Tetrachloroethene			5.00	4.47		ug/L		89	80 - 120		
Toluene			5.00	5.35		ug/L		107	80 - 120		
trans-1,2-Dichloroethene			5.00	5.42		ug/L		108	80 - 122		
trans-1,3-Dichloropropene			5.00	5.18		ug/L		104	76 - 123		
Trichloroethene			5.00	5.17		ug/L		103	80 - 120		
Trichlorofluoromethane			5.00	3.29		ug/L		66	53 - 136		
Vinyl chloride			5.00	4.89		ug/L		98	60 - 125		
Xylene (total)			15.0	15.5		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 410-822806/5
Matrix: Water
Analysis Batch: 822806

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	5.14		ug/L		103	78 - 126	4	30
1,1,2,2-Tetrachloroethane			5.00	6.02		ug/L		120	75 - 130	6	30
1,1,2-Trichloroethane			5.00	5.40		ug/L		108	80 - 120	3	30
1,1-Dichloroethane			5.00	6.15		ug/L		123	80 - 128	6	30
1,1-Dichloroethene			5.00	5.82		ug/L		116	80 - 131	3	30
1,2,4-Trichlorobenzene			5.00	5.41		ug/L		108	68 - 122	3	30
1,2-Dibromo-3-Chloropropane			5.00	4.68		ug/L		94	60 - 124	1	30
1,2-Dibromoethane			5.00	5.20		ug/L		104	80 - 120	4	30
1,2-Dichlorobenzene			5.00	5.27		ug/L		105	80 - 120	4	30
1,2-Dichloroethane			5.00	5.06		ug/L		101	79 - 128	5	30
1,2-Dichloropropane			5.00	6.42		ug/L		128	80 - 129	5	30
1,3-Dichlorobenzene			5.00	5.38		ug/L		108	80 - 120	6	30
1,4-Dichlorobenzene			5.00	5.35		ug/L		107	80 - 120	7	30
2-Butanone			62.5	79.3		ug/L		127	67 - 141	3	30
2-Hexanone			62.5	81.2		ug/L		130	62 - 151	2	30
4-Methyl-2-pentanone			62.5	81.2		ug/L		130	63 - 140	2	30
Acetone			62.5	59.9		ug/L		96	60 - 146	5	30
Benzene			5.00	6.00		ug/L		120	80 - 120	6	30
Bromodichloromethane			5.00	5.36		ug/L		107	80 - 123	5	30
Bromoform			5.00	4.36		ug/L		87	67 - 134	5	30
Bromomethane			5.00	4.75		ug/L		95	63 - 126	4	30
Carbon disulfide			5.00	5.87		ug/L		117	67 - 130	5	30
Carbon tetrachloride			5.00	5.04		ug/L		101	77 - 132	4	30
Chlorobenzene			5.00	5.43		ug/L		109	80 - 120	4	30
Chloroethane			5.00	5.29		ug/L		106	63 - 132	2	30
Chloroform			5.00	5.51		ug/L		110	80 - 120	6	30

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

Lab Sample ID: LCSD 410-822806/5
Matrix: Water
Analysis Batch: 822806

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	5.00	4.99		ug/L		100	56 - 131	3	30
cis-1,2-Dichloroethene	5.00	5.76		ug/L		115	80 - 122	4	30
cis-1,3-Dichloropropene	5.00	5.57		ug/L		111	75 - 121	5	30
Cyclohexane	5.00	6.17	*+	ug/L		123	69 - 120	5	30
Dibromochloromethane	5.00	4.67		ug/L		93	80 - 123	5	30
Dichlorodifluoromethane	5.00	3.23		ug/L		65	43 - 137	0	30
Ethylbenzene	5.00	5.49		ug/L		110	80 - 120	4	30
Freon 113	5.00	5.43		ug/L		109	61 - 124	2	30
Isopropylbenzene	5.00	5.30		ug/L		106	87 - 133	5	30
Methyl acetate	5.00	6.16		ug/L		123	45 - 143	2	30
Methyl tertiary butyl ether	5.00	5.00		ug/L		100	69 - 120	4	30
Methylcyclohexane	5.00	5.73		ug/L		115	69 - 126	5	30
Methylene Chloride	5.00	5.93		ug/L		119	80 - 120	4	30
Styrene	5.00	5.52		ug/L		110	80 - 120	6	30
Tetrachloroethene	5.00	4.68		ug/L		94	80 - 120	5	30
Toluene	5.00	5.53		ug/L		111	80 - 120	3	30
trans-1,2-Dichloroethene	5.00	5.66		ug/L		113	80 - 122	4	30
trans-1,3-Dichloropropene	5.00	5.46		ug/L		109	76 - 123	5	30
Trichloroethene	5.00	5.46		ug/L		109	80 - 120	6	30
Trichlorofluoromethane	5.00	3.42		ug/L		68	53 - 136	4	30
Vinyl chloride	5.00	5.05		ug/L		101	60 - 125	3	30
Xylene (total)	15.0	16.1		ug/L		107	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 410-822809/7
Matrix: Water
Analysis Batch: 822809

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		0.50	0.080	ug/L			05/22/26 23:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/22/26 23:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/22/26 23:54	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/22/26 23:54	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
2-Butanone	ND		5.0	2.5	ug/L			05/22/26 23:54	1

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

Lab Sample ID: MB 410-822809/7
Matrix: Water
Analysis Batch: 822809

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	2.0	ug/L			05/22/26 23:54	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/22/26 23:54	1
Acetone	ND		5.0	1.5	ug/L			05/22/26 23:54	1
Benzene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Bromoform	ND		1.0	0.30	ug/L			05/22/26 23:54	1
Bromomethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/22/26 23:54	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
Chloroethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Chloroform	ND		0.50	0.090	ug/L			05/22/26 23:54	1
Chloromethane	ND		0.50	0.22	ug/L			05/22/26 23:54	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Cyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/22/26 23:54	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Freon 113	ND		0.50	0.17	ug/L			05/22/26 23:54	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Methyl acetate	ND		1.0	0.20	ug/L			05/22/26 23:54	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/22/26 23:54	1
Styrene	ND		0.50	0.070	ug/L			05/22/26 23:54	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/22/26 23:54	1
Toluene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/22/26 23:54	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Trichloroethene	ND		0.50	0.080	ug/L			05/22/26 23:54	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/22/26 23:54	1
Xylene (total)	ND		1.0	0.070	ug/L			05/22/26 23:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/22/26 23:54*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/22/26 23:54*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/22/26 23:54*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/22/26 23:54*	*1*

Lab Sample ID: LCS 410-822809/4
Matrix: Water
Analysis Batch: 822809

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			5.00	4.98		ug/L		100	78 - 126		
1,1,2,2-Tetrachloroethane			5.00	6.03		ug/L		121	75 - 130		

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

Lab Sample ID: LCS 410-822809/4
Matrix: Water
Analysis Batch: 822809

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.64		ug/L		113	80 - 120
1,1-Dichloroethane	5.00	5.37		ug/L		107	80 - 128
1,1-Dichloroethene	5.00	4.96		ug/L		99	80 - 131
1,2,4-Trichlorobenzene	5.00	5.21		ug/L		104	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.51		ug/L		110	60 - 124
1,2-Dibromoethane	5.00	5.34		ug/L		107	80 - 120
1,2-Dichlorobenzene	5.00	5.28		ug/L		106	80 - 120
1,2-Dichloroethane	5.00	5.57		ug/L		111	79 - 128
1,2-Dichloropropane	5.00	5.29		ug/L		106	80 - 129
1,3-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 120
1,4-Dichlorobenzene	5.00	5.09		ug/L		102	80 - 120
2-Butanone	62.5	57.4		ug/L		92	67 - 141
2-Hexanone	62.5	65.2		ug/L		104	62 - 151
4-Methyl-2-pentanone	62.5	66.1		ug/L		106	63 - 140
Acetone	62.5	57.2		ug/L		92	60 - 146
Benzene	5.00	4.90		ug/L		98	80 - 120
Bromodichloromethane	5.00	5.11		ug/L		102	80 - 123
Bromoform	5.00	4.48		ug/L		90	67 - 134
Bromomethane	5.00	3.89		ug/L		78	63 - 126
Carbon disulfide	5.00	4.48		ug/L		90	67 - 130
Carbon tetrachloride	5.00	4.79		ug/L		96	77 - 132
Chlorobenzene	5.00	5.16		ug/L		103	80 - 120
Chloroethane	5.00	4.06		ug/L		81	63 - 132
Chloroform	5.00	4.57		ug/L		91	80 - 120
Chloromethane	5.00	3.79		ug/L		76	56 - 131
cis-1,2-Dichloroethene	5.00	4.99		ug/L		100	80 - 122
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	75 - 121
Cyclohexane	5.00	5.15		ug/L		103	69 - 120
Dibromochloromethane	5.00	4.90		ug/L		98	80 - 123
Dichlorodifluoromethane	5.00	3.43		ug/L		69	43 - 137
Ethylbenzene	5.00	5.33		ug/L		107	80 - 120
Freon 113	5.00	4.90		ug/L		98	61 - 124
Isopropylbenzene	5.00	5.31		ug/L		106	87 - 133
Methyl acetate	5.00	6.45		ug/L		129	45 - 143
Methyl tertiary butyl ether	5.00	5.20		ug/L		104	69 - 120
Methylcyclohexane	5.00	5.06		ug/L		101	69 - 126
Methylene Chloride	5.00	5.86		ug/L		117	80 - 120
Styrene	5.00	5.17		ug/L		103	80 - 120
Tetrachloroethene	5.00	4.54		ug/L		91	80 - 120
Toluene	5.00	5.11		ug/L		102	80 - 120
trans-1,2-Dichloroethene	5.00	4.88		ug/L		98	80 - 122
trans-1,3-Dichloropropene	5.00	5.63		ug/L		113	76 - 123
Trichloroethene	5.00	4.87		ug/L		97	80 - 120
Trichlorofluoromethane	5.00	3.06		ug/L		61	53 - 136
Vinyl chloride	5.00	3.92		ug/L		78	60 - 125
Xylene (total)	15.0	15.2		ug/L		101	80 - 120

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

Lab Sample ID: LCS 410-822809/4
Matrix: Water
Analysis Batch: 822809

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 410-822809/5
Matrix: Water
Analysis Batch: 822809

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.98		ug/L		100	78 - 126	0	30
1,1,2,2-Tetrachloroethane			5.00	5.90		ug/L		118	75 - 130	2	30
1,1,2-Trichloroethane			5.00	5.48		ug/L		110	80 - 120	3	30
1,1-Dichloroethane			5.00	5.40		ug/L		108	80 - 128	0	30
1,1-Dichloroethene			5.00	4.86		ug/L		97	80 - 131	2	30
1,2,4-Trichlorobenzene			5.00	5.18		ug/L		104	68 - 122	1	30
1,2-Dibromo-3-Chloropropane			5.00	5.47		ug/L		109	60 - 124	1	30
1,2-Dibromoethane			5.00	5.48		ug/L		110	80 - 120	3	30
1,2-Dichlorobenzene			5.00	5.31		ug/L		106	80 - 120	0	30
1,2-Dichloroethane			5.00	5.74		ug/L		115	79 - 128	3	30
1,2-Dichloropropane			5.00	5.33		ug/L		107	80 - 129	1	30
1,3-Dichlorobenzene			5.00	5.20		ug/L		104	80 - 120	0	30
1,4-Dichlorobenzene			5.00	5.12		ug/L		102	80 - 120	1	30
2-Butanone			62.5	62.8		ug/L		101	67 - 141	9	30
2-Hexanone			62.5	63.5		ug/L		102	62 - 151	3	30
4-Methyl-2-pentanone			62.5	64.1		ug/L		103	63 - 140	3	30
Acetone			62.5	58.7		ug/L		94	60 - 146	2	30
Benzene			5.00	4.90		ug/L		98	80 - 120	0	30
Bromodichloromethane			5.00	5.09		ug/L		102	80 - 123	0	30
Bromoform			5.00	4.48		ug/L		90	67 - 134	0	30
Bromomethane			5.00	3.81		ug/L		76	63 - 126	2	30
Carbon disulfide			5.00	4.55		ug/L		91	67 - 130	1	30
Carbon tetrachloride			5.00	4.83		ug/L		97	77 - 132	1	30
Chlorobenzene			5.00	5.15		ug/L		103	80 - 120	0	30
Chloroethane			5.00	4.05		ug/L		81	63 - 132	0	30
Chloroform			5.00	4.61		ug/L		92	80 - 120	1	30
Chloromethane			5.00	3.73		ug/L		75	56 - 131	2	30
cis-1,2-Dichloroethene			5.00	5.03		ug/L		101	80 - 122	1	30
cis-1,3-Dichloropropene			5.00	5.00		ug/L		100	75 - 121	0	30
Cyclohexane			5.00	5.18		ug/L		104	69 - 120	1	30
Dibromochloromethane			5.00	4.88		ug/L		98	80 - 123	0	30
Dichlorodifluoromethane			5.00	3.41		ug/L		68	43 - 137	0	30
Ethylbenzene			5.00	5.30		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.94		ug/L		99	61 - 124	1	30
Isopropylbenzene			5.00	5.26		ug/L		105	87 - 133	1	30
Methyl acetate			5.00	6.10		ug/L		122	45 - 143	6	30
Methyl tertiary butyl ether			5.00	5.22		ug/L		104	69 - 120	1	30
Methylcyclohexane			5.00	5.02		ug/L		100	69 - 126	1	30

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

Lab Sample ID: LCSD 410-822809/5
Matrix: Water
Analysis Batch: 822809

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride			5.00	5.85		ug/L		117	80 - 120	0	30
Styrene			5.00	5.17		ug/L		103	80 - 120	0	30
Tetrachloroethene			5.00	4.56		ug/L		91	80 - 120	1	30
Toluene			5.00	5.10		ug/L		102	80 - 120	0	30
trans-1,2-Dichloroethene			5.00	4.79		ug/L		96	80 - 122	2	30
trans-1,3-Dichloropropene			5.00	5.74		ug/L		115	76 - 123	2	30
Trichloroethene			5.00	4.85		ug/L		97	80 - 120	0	30
Trichlorofluoromethane			5.00	3.07		ug/L		61	53 - 136	0	30
Vinyl chloride			5.00	3.96		ug/L		79	60 - 125	1	30
Xylene (total)			15.0	15.4		ug/L		103	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 410-824375/9
Matrix: Water
Analysis Batch: 824375

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		0.50	0.080	ug/L			05/27/26 11:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 11:47	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 11:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 11:47	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 11:47	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 11:47	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 11:47	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 11:47	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 11:47	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 11:47	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 11:47	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 11:47	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 11:47	1
Acetone	ND		5.0	1.5	ug/L			05/27/26 11:47	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 11:47	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 11:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 11:47	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 11:47	1

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

Lab Sample ID: MB 410-824375/9
Matrix: Water
Analysis Batch: 824375

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 11:47	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 11:47	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 11:47	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 11:47	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/27/26 11:47	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 11:47	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 11:47	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 11:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 11:47	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 11:47	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/27/26 11:47*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/27/26 11:47*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/27/26 11:47*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/27/26 11:47*	*1*

Lab Sample ID: LCS 410-824375/5
Matrix: Water
Analysis Batch: 824375

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	5.00	5.05		ug/L		101	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.18		ug/L		124	75 - 130
1,1,2-Trichloroethane	5.00	5.73		ug/L		115	80 - 120
1,1-Dichloroethane	5.00	5.65		ug/L		113	80 - 128
1,1-Dichloroethene	5.00	5.04		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	5.00	4.84		ug/L		97	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.27		ug/L		105	60 - 124
1,2-Dibromoethane	5.00	5.47		ug/L		109	80 - 120
1,2-Dichlorobenzene	5.00	5.18		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	5.95		ug/L		119	79 - 128
1,2-Dichloropropane	5.00	5.56		ug/L		111	80 - 129
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,4-Dichlorobenzene	5.00	5.02		ug/L		100	80 - 120
2-Butanone	62.5	73.0		ug/L		117	67 - 141

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

Lab Sample ID: LCS 410-824375/5
Matrix: Water
Analysis Batch: 824375

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	62.5	72.7		ug/L		116	62 - 151
4-Methyl-2-pentanone	62.5	73.7		ug/L		118	63 - 140
Acetone	62.5	70.1		ug/L		112	60 - 146
Benzene	5.00	5.08		ug/L		102	80 - 120
Bromodichloromethane	5.00	5.20		ug/L		104	80 - 123
Bromoform	5.00	4.47		ug/L		89	67 - 134
Bromomethane	5.00	5.17		ug/L		103	63 - 126
Carbon disulfide	5.00	5.01		ug/L		100	67 - 130
Carbon tetrachloride	5.00	4.78		ug/L		96	77 - 132
Chlorobenzene	5.00	5.17		ug/L		103	80 - 120
Chloroethane	5.00	5.51		ug/L		110	63 - 132
Chloroform	5.00	4.66		ug/L		93	80 - 120
Chloromethane	5.00	4.82		ug/L		96	56 - 131
cis-1,2-Dichloroethene	5.00	5.10		ug/L		102	80 - 122
cis-1,3-Dichloropropene	5.00	5.01		ug/L		100	75 - 121
Cyclohexane	5.00	5.24		ug/L		105	69 - 120
Dibromochloromethane	5.00	4.87		ug/L		97	80 - 123
Dichlorodifluoromethane	5.00	4.77		ug/L		95	43 - 137
Ethylbenzene	5.00	5.36		ug/L		107	80 - 120
Freon 113	5.00	4.96		ug/L		99	61 - 124
Isopropylbenzene	5.00	5.26		ug/L		105	87 - 133
Methyl acetate	5.00	7.00		ug/L		140	45 - 143
Methyl tertiary butyl ether	5.00	5.17		ug/L		103	69 - 120
Methylcyclohexane	5.00	4.84		ug/L		97	69 - 126
Methylene Chloride	5.00	6.09	*+	ug/L		122	80 - 120
Styrene	5.00	5.15		ug/L		103	80 - 120
Tetrachloroethene	5.00	4.47		ug/L		89	80 - 120
Toluene	5.00	5.27		ug/L		105	80 - 120
trans-1,2-Dichloroethene	5.00	4.95		ug/L		99	80 - 122
trans-1,3-Dichloropropene	5.00	5.76		ug/L		115	76 - 123
Trichloroethene	5.00	4.90		ug/L		98	80 - 120
Trichlorofluoromethane	5.00	3.88		ug/L		78	53 - 136
Vinyl chloride	5.00	4.82		ug/L		96	60 - 125
Xylene (total)	15.0	15.3		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: MB 410-825190/8
Matrix: Water
Analysis Batch: 825190

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		0.50	0.080	ug/L			05/28/26 12:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 12:14	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205417-1

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

Lab Sample ID: MB 410-825190/8
Matrix: Water
Analysis Batch: 825190

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 12:14	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 12:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 12:14	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 12:14	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 12:14	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 12:14	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 12:14	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 12:14	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 12:14	1
2-Butanone	ND		5.0	2.5	ug/L			05/28/26 12:14	1
2-Hexanone	ND		5.0	2.0	ug/L			05/28/26 12:14	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/28/26 12:14	1
Acetone	ND		5.0	1.5	ug/L			05/28/26 12:14	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 12:14	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/28/26 12:14	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 12:14	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 12:14	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 12:14	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/28/26 12:14	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 12:14	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 12:14	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 12:14	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 12:14	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 12:14	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 12:14	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 12:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 12:14	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 12:14	1

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

Lab Sample ID: MB 410-825190/8
Matrix: Water
Analysis Batch: 825190

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 12:14*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/28/26 12:14*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 12:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/28/26 12:14*	*1*

Lab Sample ID: LCS 410-825190/5
Matrix: Water
Analysis Batch: 825190

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	5.00	5.16		ug/L		103	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.10		ug/L		102	75 - 130
1,1,2-Trichloroethane	5.00	4.98		ug/L		100	80 - 120
1,1-Dichloroethane	5.00	5.23		ug/L		105	80 - 128
1,1-Dichloroethene	5.00	5.03		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	5.00	5.24		ug/L		105	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.89		ug/L		98	60 - 124
1,2-Dibromoethane	5.00	5.30		ug/L		106	80 - 120
1,2-Dichlorobenzene	5.00	4.96		ug/L		99	80 - 120
1,2-Dichloroethane	5.00	4.96		ug/L		99	79 - 128
1,2-Dichloropropane	5.00	5.09		ug/L		102	80 - 129
1,3-Dichlorobenzene	5.00	4.95		ug/L		99	80 - 120
1,4-Dichlorobenzene	5.00	4.88		ug/L		98	80 - 120
2-Butanone	62.5	58.6		ug/L		94	67 - 141
2-Hexanone	62.5	65.8		ug/L		105	62 - 151
4-Methyl-2-pentanone	62.5	66.3		ug/L		106	63 - 140
Acetone	62.5	51.5		ug/L		82	60 - 146
Benzene	5.00	4.94		ug/L		99	80 - 120
Bromodichloromethane	5.00	5.03		ug/L		101	80 - 123
Bromoform	5.00	5.13		ug/L		103	67 - 134
Bromomethane	5.00	5.17		ug/L		103	63 - 126
Carbon disulfide	5.00	4.58		ug/L		92	67 - 130
Carbon tetrachloride	5.00	5.34		ug/L		107	77 - 132
Chlorobenzene	5.00	5.05		ug/L		101	80 - 120
Chloroethane	5.00	5.50		ug/L		110	63 - 132
Chloroform	5.00	5.16		ug/L		103	80 - 120
Chloromethane	5.00	5.05		ug/L		101	56 - 131
cis-1,2-Dichloroethene	5.00	5.34		ug/L		107	80 - 122
cis-1,3-Dichloropropene	5.00	4.97		ug/L		99	75 - 121
Cyclohexane	5.00	5.26		ug/L		105	69 - 120
Dibromochloromethane	5.00	4.98		ug/L		100	80 - 123
Dichlorodifluoromethane	5.00	5.04		ug/L		101	43 - 137
Ethylbenzene	5.00	4.96		ug/L		99	80 - 120
Freon 113	5.00	5.14		ug/L		103	61 - 124
Isopropylbenzene	5.00	5.11		ug/L		102	87 - 133
Methyl acetate	5.00	3.98		ug/L		80	45 - 143
Methyl tertiary butyl ether	5.00	5.11		ug/L		102	69 - 120
Methylcyclohexane	5.00	5.39		ug/L		108	69 - 126

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

Lab Sample ID: LCS 410-825190/5
Matrix: Water
Analysis Batch: 825190

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	5.00	4.96		ug/L		99	80 - 120
Styrene	5.00	5.17		ug/L		103	80 - 120
Tetrachloroethene	5.00	4.82		ug/L		96	80 - 120
Toluene	5.00	4.84		ug/L		97	80 - 120
trans-1,2-Dichloroethene	5.00	4.93		ug/L		99	80 - 122
trans-1,3-Dichloropropene	5.00	5.16		ug/L		103	76 - 123
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	4.70		ug/L		94	53 - 136
Vinyl chloride	5.00	5.33		ug/L		107	60 - 125
Xylene (total)	15.0	15.0		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-513897/1-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:08	05/20/26 10:50	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:08	05/20/26 10:50	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 10:50	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:08	05/20/26 10:50	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:08	05/20/26 10:50	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:08	05/20/26 10:50	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:08	05/20/26 10:50	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 10:50	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513897/1-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:08	05/20/26 10:50	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:08	05/20/26 10:50	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:08	05/20/26 10:50	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 10:50	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:08	05/20/26 10:50	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:08	05/20/26 10:50	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:08	05/20/26 10:50	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:08	05/20/26 10:50	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:08	05/20/26 10:50	1
Caprolactam	ND		5.0	0.68	ug/L		05/16/26 17:08	05/20/26 10:50	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:08	05/20/26 10:50	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:08	05/20/26 10:50	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:08	05/20/26 10:50	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 10:50	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 10:50	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:08	05/20/26 10:50	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:08	05/20/26 10:50	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:08	05/20/26 10:50	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:08	05/20/26 10:50	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:08	05/20/26 10:50	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:08	05/20/26 10:50	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 10:50	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:08	05/20/26 10:50	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:08	05/20/26 10:50	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:08	05/20/26 10:50	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:08	05/20/26 10:50	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:08	05/20/26 10:50	1
Naphthalene	ND		0.19	0.059	ug/L		05/16/26 17:08	05/20/26 10:50	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:08	05/20/26 10:50	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:08	05/20/26 10:50	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:08	05/20/26 10:50	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:08	05/20/26 10:50	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:08	05/20/26 10:50	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:08	05/20/26 10:50	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:08	05/20/26 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*23 - 128*	*05/16/26 17:08*	*05/20/26 10:50*	*1*
2-Fluorobiphenyl	*71*		*20 - 105*	*05/16/26 17:08*	*05/20/26 10:50*	*1*
2-Fluorophenol (Surr)	*76*		*20 - 105*	*05/16/26 17:08*	*05/20/26 10:50*	*1*
Nitrobenzene-d5 (Surr)	*71*		*20 - 107*	*05/16/26 17:08*	*05/20/26 10:50*	*1*
Phenol-d5 (Surr)	*75*		*20 - 106*	*05/16/26 17:08*	*05/20/26 10:50*	*1*
Terphenyl-d14 (Surr)	*74*		*22 - 120*	*05/16/26 17:08*	*05/20/26 10:50*	*1*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513897/2-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	14.9		ug/L		74	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	13.8		ug/L		69	29 - 102
2,4,5-Trichlorophenol	20.0	15.9		ug/L		80	55 - 100
2,4,6-Trichlorophenol	20.0	15.3		ug/L		77	54 - 100
2,4-Dichlorophenol	20.0	15.6		ug/L		78	55 - 100
2,4-Dimethylphenol	20.0	15.2		ug/L		76	51 - 100
2,4-Dinitrophenol	40.0	29.5		ug/L		74	32 - 100
2,4-Dinitrotoluene	20.0	17.4		ug/L		87	56 - 100
2,6-Dinitrotoluene	20.0	15.9		ug/L		80	56 - 101
2-Chloronaphthalene	20.0	15.0		ug/L		75	52 - 100
2-Chlorophenol	20.0	15.7		ug/L		78	53 - 100
2-Methylnaphthalene	20.0	14.9		ug/L		74	53 - 100
2-Methylphenol	20.0	15.3		ug/L		76	51 - 100
2-Nitroaniline	20.0	15.3		ug/L		76	47 - 104
2-Nitrophenol	20.0	16.1		ug/L		81	56 - 100
3,3'-Dichlorobenzidine	20.0	15.6		ug/L		78	42 - 100
3-Nitroaniline	20.0	15.0		ug/L		75	54 - 100
4,6-Dinitro-2-methylphenol	40.0	33.2		ug/L		83	48 - 100
4-Bromophenyl phenyl ether	20.0	15.3		ug/L		77	50 - 100
4-Chloro-3-methylphenol	20.0	15.5		ug/L		78	47 - 105
4-Chloroaniline	20.0	15.0		ug/L		75	48 - 100
4-Chlorophenyl phenyl ether	20.0	15.4		ug/L		77	52 - 100
4-Nitroaniline	20.0	15.4		ug/L		77	54 - 100
4-Nitrophenol	40.0	33.3		ug/L		83	37 - 120
Acenaphthene	20.0	14.3		ug/L		72	51 - 100
Acenaphthylene	20.0	14.3		ug/L		71	54 - 100
Acetophenone	20.0	15.3		ug/L		76	46 - 100
Anthracene	20.0	15.1		ug/L		75	54 - 100
Atrazine	20.0	16.4		ug/L		82	50 - 100
Benzaldehyde	20.0	9.28		ug/L		46	25 - 114
Benzo[a]anthracene	20.0	14.3		ug/L		72	52 - 100
Benzo[a]pyrene	20.0	13.9		ug/L		70	52 - 100
Benzo[b]fluoranthene	20.0	13.6		ug/L		68	50 - 100
Benzo[g,h,i]perylene	20.0	14.9		ug/L		75	53 - 100
Benzo[k]fluoranthene	20.0	14.9		ug/L		75	49 - 100
Bis(2-chloroethoxy)methane	20.0	12.9		ug/L		65	49 - 100
Bis(2-chloroethyl)ether	20.0	15.5		ug/L		77	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	14.5		ug/L		73	52 - 101
Butyl benzyl phthalate	20.0	14.4		ug/L		72	52 - 100
Caprolactam	20.0	15.6		ug/L		78	46 - 111
Carbazole	20.0	15.3		ug/L		76	55 - 100
Chrysene	20.0	14.5		ug/L		72	51 - 100
Dibenz(a,h)anthracene	20.0	16.2		ug/L		81	52 - 101
Dibenzofuran	20.0	14.7		ug/L		73	53 - 100
Diethyl phthalate	20.0	15.4		ug/L		77	52 - 100
Dimethyl phthalate	20.0	15.2		ug/L		76	55 - 100
Di-n-butyl phthalate	20.0	15.5		ug/L		77	57 - 100
Di-n-octyl phthalate	20.0	13.9		ug/L		69	41 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513897/2-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513897

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoranthene			20.0	15.5		ug/L		77	56 - 100		
Fluorene			20.0	14.8		ug/L		74	53 - 100		
Hexachlorobenzene			20.0	15.8		ug/L		79	46 - 100		
Hexachlorobutadiene			20.0	15.9		ug/L		79	42 - 101		
Hexachlorocyclopentadiene			20.0	13.9		ug/L		69	38 - 102		
Hexachloroethane			20.0	15.3		ug/L		76	46 - 100		
Indeno[1,2,3-cd]pyrene			20.0	16.4		ug/L		82	54 - 100		
Isophorone			20.0	14.7		ug/L		74	50 - 100		
Methylphenol, 3 & 4			20.0	15.5		ug/L		77	51 - 100		
Naphthalene			20.0	14.5		ug/L		72	53 - 100		
Nitrobenzene			20.0	14.7		ug/L		74	47 - 100		
N-Nitrosodi-n-propylamine			20.0	15.6		ug/L		78	43 - 103		
N-Nitrosodiphenylamine			20.0	15.3		ug/L		77	53 - 100		
Pentachlorophenol			40.0	26.8		ug/L		67	35 - 102		
Phenanthrene			20.0	14.8		ug/L		74	53 - 100		
Phenol			20.0	14.4		ug/L		72	49 - 100		
Pyrene			20.0	14.0		ug/L		70	53 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*23 - 128*
2-Fluorobiphenyl	*75*		*20 - 105*
2-Fluorophenol (Surr)	*80*		*20 - 105*
Nitrobenzene-d5 (Surr)	*77*		*20 - 107*
Phenol-d5 (Surr)	*77*		*20 - 106*
Terphenyl-d14 (Surr)	*73*		*22 - 120*

Lab Sample ID: LCSD 180-513897/3-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513897

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			20.0	14.8		ug/L		74	51 - 100	0	16
2,2'-oxybis[1-chloropropane]			20.0	13.7		ug/L		68	29 - 102	1	16
2,4,5-Trichlorophenol			20.0	16.0		ug/L		80	55 - 100	0	18
2,4,6-Trichlorophenol			20.0	15.6		ug/L		78	54 - 100	2	16
2,4-Dichlorophenol			20.0	15.4		ug/L		77	55 - 100	1	15
2,4-Dimethylphenol			20.0	15.4		ug/L		77	51 - 100	2	16
2,4-Dinitrophenol			40.0	29.0		ug/L		73	32 - 100	2	19
2,4-Dinitrotoluene			20.0	17.2		ug/L		86	56 - 100	1	16
2,6-Dinitrotoluene			20.0	15.6		ug/L		78	56 - 101	2	16
2-Chloronaphthalene			20.0	14.8		ug/L		74	52 - 100	1	15
2-Chlorophenol			20.0	15.8		ug/L		79	53 - 100	1	17
2-Methylnaphthalene			20.0	15.0		ug/L		75	53 - 100	1	15
2-Methylphenol			20.0	15.5		ug/L		78	51 - 100	2	16
2-Nitroaniline			20.0	15.4		ug/L		77	47 - 104	1	18
2-Nitrophenol			20.0	16.5		ug/L		83	56 - 100	3	15
3,3'-Dichlorobenzidine			20.0	15.5		ug/L		77	42 - 100	1	15
3-Nitroaniline			20.0	15.2		ug/L		76	54 - 100	1	15

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-513897/3-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513897

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	40.0	33.0		ug/L		82	48 - 100	1	15
4-Bromophenyl phenyl ether	20.0	15.5		ug/L		78	50 - 100	1	15
4-Chloro-3-methylphenol	20.0	15.7		ug/L		78	47 - 105	1	18
4-Chloroaniline	20.0	15.1		ug/L		76	48 - 100	1	15
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		77	52 - 100	0	16
4-Nitroaniline	20.0	15.4		ug/L		77	54 - 100	0	16
4-Nitrophenol	40.0	33.2		ug/L		83	37 - 120	0	18
Acenaphthene	20.0	14.3		ug/L		72	51 - 100	0	15
Acenaphthylene	20.0	14.3		ug/L		71	54 - 100	0	16
Acetophenone	20.0	15.5		ug/L		77	46 - 100	1	16
Anthracene	20.0	14.8		ug/L		74	54 - 100	2	15
Atrazine	20.0	16.4		ug/L		82	50 - 100	0	15
Benzaldehyde	20.0	9.40		ug/L		47	25 - 114	1	16
Benzo[a]anthracene	20.0	14.5		ug/L		72	52 - 100	1	15
Benzo[a]pyrene	20.0	13.8		ug/L		69	52 - 100	1	16
Benzo[b]fluoranthene	20.0	13.9		ug/L		70	50 - 100	2	15
Benzo[g,h,i]perylene	20.0	14.7		ug/L		73	53 - 100	2	15
Benzo[k]fluoranthene	20.0	14.5		ug/L		72	49 - 100	3	20
Bis(2-chloroethoxy)methane	20.0	13.0		ug/L		65	49 - 100	0	15
Bis(2-chloroethyl)ether	20.0	15.9		ug/L		79	46 - 100	2	17
Bis(2-ethylhexyl) phthalate	20.0	14.6		ug/L		73	52 - 101	1	15
Butyl benzyl phthalate	20.0	14.4		ug/L		72	52 - 100	0	15
Caprolactam	20.0	15.6		ug/L		78	46 - 111	0	16
Carbazole	20.0	15.2		ug/L		76	55 - 100	0	16
Chrysene	20.0	14.1		ug/L		70	51 - 100	3	15
Dibenz(a,h)anthracene	20.0	15.9		ug/L		79	52 - 101	2	15
Dibenzofuran	20.0	14.6		ug/L		73	53 - 100	0	16
Diethyl phthalate	20.0	15.3		ug/L		77	52 - 100	1	15
Dimethyl phthalate	20.0	15.3		ug/L		76	55 - 100	1	15
Di-n-butyl phthalate	20.0	15.8		ug/L		79	57 - 100	2	15
Di-n-octyl phthalate	20.0	14.0		ug/L		70	41 - 100	1	17
Fluoranthene	20.0	15.6		ug/L		78	56 - 100	1	15
Fluorene	20.0	14.8		ug/L		74	53 - 100	0	17
Hexachlorobenzene	20.0	16.0		ug/L		80	46 - 100	1	15
Hexachlorobutadiene	20.0	16.1		ug/L		80	42 - 101	1	15
Hexachlorocyclopentadiene	20.0	14.0		ug/L		70	38 - 102	1	16
Hexachloroethane	20.0	15.3		ug/L		76	46 - 100	0	16
Indeno[1,2,3-cd]pyrene	20.0	16.0		ug/L		80	54 - 100	2	16
Isophorone	20.0	14.8		ug/L		74	50 - 100	0	15
Methylphenol, 3 & 4	20.0	15.6		ug/L		78	51 - 100	1	18
Naphthalene	20.0	14.6		ug/L		73	53 - 100	1	15
Nitrobenzene	20.0	14.8		ug/L		74	47 - 100	1	16
N-Nitrosodi-n-propylamine	20.0	15.9		ug/L		79	43 - 103	2	16
N-Nitrosodiphenylamine	20.0	15.3		ug/L		77	53 - 100	0	16
Pentachlorophenol	40.0	27.1		ug/L		68	35 - 102	1	17
Phenanthrene	20.0	14.8		ug/L		74	53 - 100	0	15
Phenol	20.0	15.1		ug/L		76	49 - 100	5	17
Pyrene	20.0	14.1		ug/L		71	53 - 100	1	15

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-513897/3-A
Matrix: Water
Analysis Batch: 514031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513897

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*23 - 128*
2-Fluorobiphenyl	*75*		*20 - 105*
2-Fluorophenol (Surr)	*79*		*20 - 105*
Nitrobenzene-d5 (Surr)	*78*		*20 - 107*
Phenol-d5 (Surr)	*78*		*20 - 106*
Terphenyl-d14 (Surr)	*74*		*22 - 120*

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-513814/6
Matrix: Water
Analysis Batch: 513814

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00	0.712	mg/L			05/14/26 17:58	1
Sulfate	ND		1.00	0.756	mg/L			05/14/26 17:58	1
Nitrate as N	ND		0.100	0.0230	mg/L			05/14/26 17:58	1

Lab Sample ID: LCS 180-513814/7
Matrix: Water
Analysis Batch: 513814

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.63		mg/L		99	80 - 120
Sulfate	50.0	49.60		mg/L		99	80 - 120
Nitrate as N	2.50	2.548		mg/L		102	80 - 120

Lab Sample ID: MB 180-513863/6
Matrix: Water
Analysis Batch: 513863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00	0.712	mg/L			05/15/26 16:27	1
Sulfate	ND		1.00	0.756	mg/L			05/15/26 16:27	1
Nitrate as N	ND		0.100	0.0230	mg/L			05/15/26 16:27	1

Lab Sample ID: LCS 180-513863/7
Matrix: Water
Analysis Batch: 513863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	52.60		mg/L		105	80 - 120
Sulfate	50.0	53.67		mg/L		107	80 - 120
Nitrate as N	2.50	2.344		mg/L		94	80 - 120

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-822522/32
Matrix: Water
Analysis Batch: 822522

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			05/22/26 10:39	1

Lab Sample ID: LCS 410-822522/33
Matrix: Water
Analysis Batch: 822522

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	248		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-822522/34
Matrix: Water
Analysis Batch: 822522

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	250	256		mg/L		103	90 - 110	3	10

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-513846/7
Matrix: Water
Analysis Batch: 513846

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/15/26 08:44	1

Lab Sample ID: LCS 180-513846/8
Matrix: Water
Analysis Batch: 513846

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	0.850	0.85		NTU		101	90 - 110

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-513892/39
Matrix: Water
Analysis Batch: 513892

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-513877/1
Matrix: Water
Analysis Batch: 513877

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/15/26 15:39	1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 180-513877/2
Matrix: Water
Analysis Batch: 513877

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			84.0	86.1		umhos/cm		103	90 - 110		

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

Lab Sample ID: MB 180-513997/1
Matrix: Water
Analysis Batch: 513997

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	10	mg/L			05/19/26 17:18	1

Lab Sample ID: LCS 180-513997/2
Matrix: Water
Analysis Batch: 513997

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			653	628		mg/L		96	85 - 115		

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-513972/26
Matrix: Water
Analysis Batch: 513972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/19/26 15:41	1

Lab Sample ID: LCS 180-513972/25
Matrix: Water
Analysis Batch: 513972

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	264		mg/L		105	90 - 110		

Lab Sample ID: 180-205417-10 DU
Matrix: Water
Analysis Batch: 513972

Client Sample ID: MW-45
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	160			151		mg/L				3	20

GC/MS VOA

Analysis Batch: 822806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-1	MW-13	Total/NA	Water	8260D	
180-205417-1 - DL	MW-13	Total/NA	Water	8260D	
180-205417-8 - DL	MW-19D	Total/NA	Water	8260D	
180-205417-9	MW-37	Total/NA	Water	8260D	
180-205417-10	MW-45	Total/NA	Water	8260D	
180-205417-10 - DL	MW-45	Total/NA	Water	8260D	
180-205417-11	MW-45-DUP	Total/NA	Water	8260D	
180-205417-11 - DL	MW-45-DUP	Total/NA	Water	8260D	
MB 410-822806/7	Method Blank	Total/NA	Water	8260D	
LCS 410-822806/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-822806/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 822809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-13	MW-5D	Total/NA	Water	8260D	
180-205417-14	TB-3	Total/NA	Water	8260D	
MB 410-822809/7	Method Blank	Total/NA	Water	8260D	
LCS 410-822809/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-822809/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 824375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-2	MW-1	Total/NA	Water	8260D	
180-205417-3	MW-18	Total/NA	Water	8260D	
180-205417-4	MW-19S	Total/NA	Water	8260D	
180-205417-5	MW-28	Total/NA	Water	8260D	
180-205417-6	MW-17	Total/NA	Water	8260D	
180-205417-7	MW-24	Total/NA	Water	8260D	
180-205417-8	MW-19D	Total/NA	Water	8260D	
180-205417-12	MW-5S	Total/NA	Water	8260D	
MB 410-824375/9	Method Blank	Total/NA	Water	8260D	
LCS 410-824375/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 825190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-2	MW-1	Total/NA	Water	8260D	
180-205417-7	MW-24	Total/NA	Water	8260D	
180-205417-8	MW-19D	Total/NA	Water	8260D	
MB 410-825190/8	Method Blank	Total/NA	Water	8260D	
LCS 410-825190/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 513897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-1	MW-13	Total/NA	Water	3520C	
180-205417-2	MW-1	Total/NA	Water	3520C	
180-205417-3	MW-18	Total/NA	Water	3520C	
180-205417-4	MW-19S	Total/NA	Water	3520C	
180-205417-5	MW-28	Total/NA	Water	3520C	
180-205417-6	MW-17	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 513897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-7	MW-24	Total/NA	Water	3520C	
180-205417-8	MW-19D	Total/NA	Water	3520C	
180-205417-9	MW-37	Total/NA	Water	3520C	
180-205417-10 - DL	MW-45	Total/NA	Water	3520C	
180-205417-10	MW-45	Total/NA	Water	3520C	
180-205417-11 - DL	MW-45-DUP	Total/NA	Water	3520C	
180-205417-11	MW-45-DUP	Total/NA	Water	3520C	
180-205417-12	MW-5S	Total/NA	Water	3520C	
180-205417-13	MW-5D	Total/NA	Water	3520C	
MB 180-513897/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-513897/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-513897/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 514031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-2	MW-1	Total/NA	Water	EPA 8270E LL	513897
180-205417-3	MW-18	Total/NA	Water	EPA 8270E LL	513897
180-205417-4	MW-19S	Total/NA	Water	EPA 8270E LL	513897
180-205417-5	MW-28	Total/NA	Water	EPA 8270E LL	513897
180-205417-6	MW-17	Total/NA	Water	EPA 8270E LL	513897
180-205417-7	MW-24	Total/NA	Water	EPA 8270E LL	513897
180-205417-8	MW-19D	Total/NA	Water	EPA 8270E LL	513897
180-205417-9	MW-37	Total/NA	Water	EPA 8270E LL	513897
180-205417-10	MW-45	Total/NA	Water	EPA 8270E LL	513897
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 8270E LL	513897
180-205417-12	MW-5S	Total/NA	Water	EPA 8270E LL	513897
180-205417-13	MW-5D	Total/NA	Water	EPA 8270E LL	513897
MB 180-513897/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	513897
LCS 180-513897/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	513897
LCSD 180-513897/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270E LL	513897

Analysis Batch: 514084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-1	MW-13	Total/NA	Water	EPA 8270E LL	513897
180-205417-10 - DL	MW-45	Total/NA	Water	EPA 8270E LL	513897
180-205417-11 - DL	MW-45-DUP	Total/NA	Water	EPA 8270E LL	513897

HPLC/IC

Analysis Batch: 513814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	EPA 9056A	
180-205417-10	MW-45	Total/NA	Water	EPA 9056A	
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 9056A	
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 9056A	
MB 180-513814/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-513814/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Analysis Batch: 513863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 9056A	

HPLC/IC (Continued)

Analysis Batch: 513863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-513863/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-513863/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

General Chemistry

Analysis Batch: 513846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	EPA 180.1	
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 180.1	
MB 180-513846/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-513846/8	Lab Control Sample	Total/NA	Water	EPA 180.1	

Analysis Batch: 513877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	SM 2510B	
180-205417-11	MW-45-DUP	Total/NA	Water	SM 2510B	
MB 180-513877/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-513877/2	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 513892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-1	MW-13	Total/NA	Water	EPA 9040C	
180-205417-2	MW-1	Total/NA	Water	EPA 9040C	
180-205417-10	MW-45	Total/NA	Water	EPA 9040C	
180-205417-11	MW-45-DUP	Total/NA	Water	EPA 9040C	
LCS 180-513892/39	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 513972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	SM2320 B	
180-205417-11	MW-45-DUP	Total/NA	Water	SM2320 B	
MB 180-513972/26	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-513972/25	Lab Control Sample	Total/NA	Water	SM2320 B	
180-205417-10 DU	MW-45	Total/NA	Water	SM2320 B	

Analysis Batch: 513997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	SM 2540C	
180-205417-11	MW-45-DUP	Total/NA	Water	SM 2540C	
MB 180-513997/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-513997/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 822522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205417-10	MW-45	Total/NA	Water	2310B-2011	
180-205417-11	MW-45-DUP	Total/NA	Water	2310B-2011	
MB 410-822522/32	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-822522/33	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-822522/34	Lab Control Sample Dup	Total/NA	Water	2310B-2011	

Eurofins Pittsburgh
301 Alpha Drive
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Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Kupfer	Site Contact: Dave Gaviglia	Date:	COC No: 1 of 2 COCs
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	Lab Contact: Andy Johnson	Carrier: Hand Delivered	TALS Project #:
100 Airside Drive	Tel/Fax: 724-457-8910			Sampler: Dave Gaviglia
Moon Twp., PA 15108	Analysis Turnaround Time			For Lab Use Only:
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
	TAT if different from Below			Lab Sampling:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks			
Site: Erie Coke Works	☐ 1 week			Job / SDG No.:
P O #: 208908	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-13	5/13/26	0900	G	GW		X	X				X	"Hot" Sample
MW-1		0950				X	X				X	
MW-18		1110				X	X					
MW-19S		1415				X	X					
MW-28		0855				X	X					
MW-17		1045				X	X					
MW-24		1415				X	X					
MW-19D		1515				X	X					
MW-37		0835				X	X					
MW-45		1005				X	X	X				"Hot" Sample
MW-45-DUP		1020				X	X	X				"Hot" Sample
MW-55		1415				X	X					

180-205417 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/13/26-1700	Received by:	Company: EPI FME	Date/Time: 5-14-26 0910
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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5/29/2026

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Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Kupfer	Site Contact: Dave Gaviglia	Date:	COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	Lab Contact: Andy Johnson	Carrier: Hand Delivered	2 of 2 COCs
100 Airside Drive	Tel/Fax: 724-457-8910			TALS Project #:
Moon Twp., PA 15108	Analysis Turnaround Time			Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below			Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks			Lab Sampling:
Site: Erie Coke Works	☐ 1 week			
P O #: 208908	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-5D	5/13/26	1525	G	GW		X	X					
TB-3	—	—	—	—		X						Trip Blank

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/13/26-1700	Received by:	Company: EPITOME	Date/Time: 5-14-26 0910
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 84 of 89

5/29/2026



IGIN ID:ERIA (410) 689-3425
CHAEL MARK
CHAEL BAKER JR INC
O AIRSIDE DR

RAOPOLIS, PA 15108
ITED STATES US

SHIP DATE: 13MAY26
ACTWGT: 46.85 LB
CAD: 6570002/ROSA271
DIMS: 23x15x13 IN

BILL THIRD PARTY

EUROFINS ENVIRONMENT TESTING – PTBG
ATTN: ANDY JOHNSON
301 ALPHA DRIVE

PITTSBURGH PA 15238
0) 000-0000 REF:

DEPT:

Uncorrected temp
Thermometer ID 4.8 20
CF -0.7 Initials MC
PT-WI-SR-001 effective 7/26/13
Uncorrected temp °C

FedEx Express

J26102601201sv

2 of 2
8717 7214 0124
r# 8717 7214 0113
0201

THU – 14 MAY 10:30A
PRIORITY OVERNIGHT

5 AGCA

15238
PA-US PIT

180-205417 Waybill

ID:ERIA (410) 689-3425
MARK
BAKER JR INC
SIDE DR

.IS, PA 15108
TATES US

SHIP DATE: 13MAY26
ACTWGT: 47.15 LB
CAD: 6570002/ROSA2710
DIMS: 23x15x13 IN

BILL THIRD PARTY

OFINS ENVIRONMENT TESTING – PTBG
N: ANDY JOHNSON
ALPHA DRIVE

SBURGH PA 15238
(000) 000-0000 REF:
INV:
PO:
DEPT:

Uncorrected temp 5.0 °C
Thermometer ID 20
CF -0.7 Initials MC
PT-WI-SR-001 effective 7/26/13

FedEx Express

J26102601201sv

1 of 2
TRK# 0201 8717 7214 0113
MASTER

THU – 14 MAY 10:30A
PRIORITY OVERNIGHT

65 AGCA

15238
PA-US PIT

Part # 150293-xxxx-xxx-xxx-x

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556793.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205417-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/28/2026			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			

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)	8260D_LL/5030CVOCs	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-13 (180-205417-1)	5/13/26	09:00 Eastern	G	Water			X		3	per client, "hot" sample
MW-1 (180-205417-2)	5/13/26	09:50 Eastern	G	Water			X		3	
MW-18 (180-205417-3)	5/13/26	11:10 Eastern	G	Water			X		3	
MW-19S (180-205417-4)	5/13/26	14:15 Eastern	G	Water			X		3	
MW-28 (180-205417-5)	5/13/26	08:55 Eastern	G	Water			X		3	
MW-17 (180-205417-6)	5/13/26	10:45 Eastern	G	Water			X		3	
MW-24 (180-205417-7)	5/13/26	14:15 Eastern	G	Water			X		3	
MW-19D (180-205417-8)	5/13/26	15:15 Eastern	G	Water			X		3	
MW-37 (180-205417-9)	5/13/26	08:35 Eastern	G	Water			X		3	

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James T. Hinkelman	5/15/26 14:00	EAT/WE	MQA	5/15/26 1400	ELPT
2	MQA	5/15/26 1730	ELPT			
3					5/15/26 1730	ELPT

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
✗ Yes Δ No		R: 0.7 C: 0.8

Ver: 03/20/2026

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556793.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205417-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/28/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	8260D_LL/5030CVOCs	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-45 (180-205417-10)	5/13/26	10:05 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-45-DUP (180-205417-11)	5/13/26	10:20 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-5S (180-205417-12)	5/13/26	14:15 Eastern	G	Water			X		3	
MW-5D (180-205417-13)	5/13/26	15:25 Eastern	G	Water			X		3	
TB-3 (180-205417-14)	5/13/26	Eastern	G	Water			X		2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/15/26 14:00	EPHNR	MA	5/15/26 1410	ELPC
2	MA	5/15/26 1730	ELPC			
3					5/15/26 1730	ELPC

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☒ Yes ☐ No		R-0.7 C-0.8

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205417-1

Login Number: 205417

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Ryan, Shannon G

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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.	True	
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	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205417-1

Login Number: 205417
List Number: 2
Creator: Williams, Peter

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/16/26 11:07 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 6/1/2026 4:08:56 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205550-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

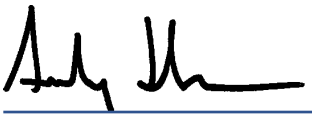
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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6/1/2026 4:08:56 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job ID: 180-205550-1 Eurofins Pittsburgh

Job Narrative
180-205550-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/19/2026 9:45 AM. 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 3.7°C.

GC/MS VOA
Method 8260D: SIM/SCAN

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826707 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826707 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, Methyl acetate and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826443 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826443 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, Methyl acetate and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following samples were diluted due to the abundance of non-target analytes: MW-9D (180-205550-2), MW-9S (180-205550-3) and MW-26D (180-205550-5). 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.

GC/MS Semi VOA
Method EPA 8270E LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 180-514007 and analytical batch 180-514087 recovered outside control limits for the following analyte: 4-Chloroaniline. 4-Chloroaniline has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. o

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-27D (180-205550-1), MW-9D (180-205550-2), MW-9S (180-205550-3), MW-26S (180-205550-4) and MW-26D (180-205550-5). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

HPLC/IC
Method EPA 9056A: The following samples were analyzed outside of analytical holding time due to a laboratory error: MW-27D (180-205550-1), MW-9D (180-205550-2), MW-9S (180-205550-3), MW-26S (180-205550-4) and MW-26D (180-205550-5).

Job ID: 180-205550-1 (Continued) Eurofins Pittsburgh

Method EPA 9056A: The following sample was diluted due to the nature of the sample matrix: MW-9D (180-205550-2). 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.

General Chemistry
Method EPA 180.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9D (180-205550-2), MW-9S (180-205550-3) and MW-26S (180-205550-4). Elevated reporting limits (RLs) are provided.

Method SM 2540C: The sample did not reach a constant weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the sample result. Total Dissolved Solids

MW-9D (180-205550-2) and MW-9S (180-205550-3)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -65.682 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-27D (180-205550-1)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -167.544 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-9D (180-205550-2)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -189.252 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-9S (180-205550-3)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -127.344 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-26S (180-205550-4)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -186.036 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-26D (180-205550-5)

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

Definitions/Glossary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205550-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-27

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205550-1	MW-27D	Water	05/18/26 11:30	05/19/26 09:45	Pennsylvania
180-205550-2	MW-9D	Water	05/18/26 12:35	05/19/26 09:45	Pennsylvania
180-205550-3	MW-9S	Water	05/18/26 15:20	05/19/26 09:45	Pennsylvania
180-205550-4	MW-26S	Water	05/18/26 11:30	05/19/26 09:45	Pennsylvania
180-205550-5	MW-26D	Water	05/18/26 15:30	05/19/26 09:45	Pennsylvania
180-205550-6	TB-6	Water	05/18/26 00:00	05/19/26 09:45	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
9056A	Anions, Ion Chromatography	SW846	ELLE
EPA 9056A	Anions, Ion Chromatography	SW846	ELLE
2310B-2011	Acidity	SM	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: MW-27D

Lab Sample ID: 180-205550-1

Date Collected: 05/18/26 11:30

Matrix: Water

Date Received: 05/19/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	25 mL	25 mL	826443	05/30/26 05:48	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	5000	25 mL	25 mL	826443	05/30/26 06:10	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514087	05/21/26 17:02	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	500	1 mL	1 mL	514087	05/21/26 19:09	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		1	1 mL	1 mL	822992	05/23/26 20:59	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		100			824768	05/28/26 05:40	KJQ8	ELLE
	Instrument ID: D20 - 3394									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	822991	05/23/26 20:59	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513993	05/19/26 16:06	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 16:55	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:21	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514180	05/22/26 17:44	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514195	05/26/26 14:41	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-9D

Lab Sample ID: 180-205550-2

Date Collected: 05/18/26 12:35

Matrix: Water

Date Received: 05/19/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	25 mL	25 mL	826443	05/30/26 03:36	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514087	05/21/26 17:23	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		50			824807	05/28/26 06:05	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	822991	05/23/26 20:48	L4QM	ELLE
	Instrument ID: 3162									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-9D

Date Collected: 05/18/26 12:35
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
Total/NA	Analysis	EPA 180.1		5			513993	05/19/26 16:06	SNR	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:01	RAO	EET PIT
	Instrument ID:	OZ								
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:23	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514180	05/22/26 17:44	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514195	05/26/26 14:49	ELS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: MW-9S

Date Collected: 05/18/26 15:20
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	25 mL	25 mL	826443	05/30/26 04:20	HR3Z	ELLE
	Instrument ID:	19930								
Total/NA	Prep	3520C			260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514087	05/21/26 17:45	VVP	EET PIT
	Instrument ID:	CH733								
Total/NA	Analysis	9056A		1	1 mL	1 mL	822992	05/23/26 21:45	L4QM	ELLE
	Instrument ID:	3162								
Total/NA	Analysis	9056A		100			824807	05/28/26 05:52	L4QM	ELLE
	Instrument ID:	D27_INS_000009								
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	822991	05/23/26 21:45	L4QM	ELLE
	Instrument ID:	3162								
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	EPA 180.1		10			513993	05/19/26 16:06	SNR	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:06	RAO	EET PIT
	Instrument ID:	OZ								
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:24	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514180	05/22/26 17:44	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514195	05/26/26 14:53	ELS	EET PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26S

Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		500	25 mL	25 mL	826707	05/31/26 00:52	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	5000	25 mL	25 mL	826707	05/31/26 01:14	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514087	05/21/26 18:06	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	500	1 mL	1 mL	514087	05/21/26 20:12	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		10	1 mL	1 mL	822992	05/23/26 22:20	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		100			824807	05/28/26 05:40	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	822991	05/23/26 22:08	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		10			513993	05/19/26 16:06	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:11	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:30	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514180	05/22/26 17:44	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514195	05/26/26 14:57	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-26D

Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	25 mL	25 mL	826443	05/30/26 05:04	HR3Z	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514087	05/21/26 18:27	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	514007	05/19/26 22:25	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	500	1 mL	1 mL	514087	05/21/26 20:33	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		5			824768	05/28/26 05:51	KJQ8	ELLE
	Instrument ID: D20 - 3394									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26D

Lab Sample ID: 180-205550-5

Date Collected: 05/18/26 15:30

Matrix: Water

Date Received: 05/19/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		50			824768	05/28/26 06:03	KJQ8	ELLE
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	822991	05/23/26 22:31	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513993	05/19/26 16:06	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:16	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			513987	05/19/26 14:32	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514180	05/22/26 17:44	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514195	05/26/26 15:01	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TB-6

Lab Sample ID: 180-205550-6

Date Collected: 05/18/26 00:00

Matrix: Water

Date Received: 05/19/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	826443	05/30/26 02:08	HR3Z	ELLE
	Instrument ID: 19930									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman

LWM = Leslie McIntire

RAO = Rachel Oster

SNR = Sabra Richart

VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Analysis

B6LN = Aslin Muniz

HR3Z = Nicholas Carson

KJQ8 = Emily Ranson

L4QM = Jacquelyn Schoener

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-27D
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			05/30/26 05:48	500
1,1,2,2-Tetrachloroethane	ND	^c	250	50	ug/L			05/30/26 05:48	500
1,1,2-Trichloroethane	ND		250	40	ug/L			05/30/26 05:48	500
1,1-Dichloroethane	ND		250	50	ug/L			05/30/26 05:48	500
1,1-Dichloroethene	ND		250	50	ug/L			05/30/26 05:48	500
1,2,4-Trichlorobenzene	ND		250	75	ug/L			05/30/26 05:48	500
1,2-Dibromo-3-Chloropropane	ND	^c	250	130	ug/L			05/30/26 05:48	500
1,2-Dibromoethane	ND		250	40	ug/L			05/30/26 05:48	500
1,2-Dichlorobenzene	ND		250	35	ug/L			05/30/26 05:48	500
1,2-Dichloroethane	ND		250	85	ug/L			05/30/26 05:48	500
1,2-Dichloropropane	ND		250	50	ug/L			05/30/26 05:48	500
1,3-Dichlorobenzene	ND		250	35	ug/L			05/30/26 05:48	500
1,4-Dichlorobenzene	ND		250	35	ug/L			05/30/26 05:48	500
2-Butanone	ND		2500	1300	ug/L			05/30/26 05:48	500
2-Hexanone	ND		2500	1000	ug/L			05/30/26 05:48	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			05/30/26 05:48	500
Acetone	ND		2500	750	ug/L			05/30/26 05:48	500
Bromodichloromethane	ND		250	40	ug/L			05/30/26 05:48	500
Bromoform	ND		500	150	ug/L			05/30/26 05:48	500
Bromomethane	ND		250	50	ug/L			05/30/26 05:48	500
Carbon disulfide	ND		500	50	ug/L			05/30/26 05:48	500
Carbon tetrachloride	ND		250	50	ug/L			05/30/26 05:48	500
Chlorobenzene	ND		250	35	ug/L			05/30/26 05:48	500
Chloroethane	ND		250	50	ug/L			05/30/26 05:48	500
Chloroform	ND		250	45	ug/L			05/30/26 05:48	500
Chloromethane	ND		250	110	ug/L			05/30/26 05:48	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			05/30/26 05:48	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			05/30/26 05:48	500
Cyclohexane	ND		250	50	ug/L			05/30/26 05:48	500
Dibromochloromethane	ND		250	40	ug/L			05/30/26 05:48	500
Dichlorodifluoromethane	ND		250	110	ug/L			05/30/26 05:48	500
Ethylbenzene	**93**	**J**	250	40	ug/L			05/30/26 05:48	500
Freon 113	ND		250	85	ug/L			05/30/26 05:48	500
Isopropylbenzene	ND		250	40	ug/L			05/30/26 05:48	500
Methyl acetate	ND	^c	500	100	ug/L			05/30/26 05:48	500
Methyl tertiary butyl ether	ND		250	40	ug/L			05/30/26 05:48	500
Methylcyclohexane	ND		250	50	ug/L			05/30/26 05:48	500
Methylene Chloride	ND		250	100	ug/L			05/30/26 05:48	500
Styrene	**140**	**J**	250	35	ug/L			05/30/26 05:48	500
Tetrachloroethene	ND		250	100	ug/L			05/30/26 05:48	500
Toluene	**2600**		250	40	ug/L			05/30/26 05:48	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			05/30/26 05:48	500
trans-1,3-Dichloropropene	ND	^c	250	40	ug/L			05/30/26 05:48	500
Trichloroethene	ND		250	40	ug/L			05/30/26 05:48	500
Trichlorofluoromethane	ND	^c	250	50	ug/L			05/30/26 05:48	500
Vinyl chloride	ND		250	50	ug/L			05/30/26 05:48	500
Xylene (total)	**1000**		500	35	ug/L			05/30/26 05:48	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/30/26 05:48*	*500*

Client Sample ID: MW-27D
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*05/30/26 05:48*	*500*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/30/26 05:48*	*500*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/30/26 05:48*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13000**		2500	500	ug/L			05/30/26 06:10	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/30/26 06:10*	*5000*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*05/30/26 06:10*	*5000*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/30/26 06:10*	*5000*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/30/26 06:10*	*5000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**17**	**J**	48	6.8	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4-Dimethylphenol	**910**		48	28	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/19/26 22:25	05/21/26 17:02	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Chlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Methylnaphthalene	**160**		9.1	3.0	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Methylphenol	**1500**		48	27	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Nitroaniline	ND		240	26	ug/L		05/19/26 22:25	05/21/26 17:02	50
2-Nitrophenol	ND		48	9.3	ug/L		05/19/26 22:25	05/21/26 17:02	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/19/26 22:25	05/21/26 17:02	50
3-Nitroaniline	ND		240	21	ug/L		05/19/26 22:25	05/21/26 17:02	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Chloroaniline	ND	*- *1	48	18	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Nitroaniline	ND		240	17	ug/L		05/19/26 22:25	05/21/26 17:02	50
4-Nitrophenol	ND		240	45	ug/L		05/19/26 22:25	05/21/26 17:02	50
Acenaphthene	**10**		9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:02	50
Acenaphthylene	**56**		9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:02	50
Acetophenone	**27**	**J**	48	7.6	ug/L		05/19/26 22:25	05/21/26 17:02	50
Anthracene	**22**		9.1	2.4	ug/L		05/19/26 22:25	05/21/26 17:02	50
Atrazine	ND		48	14	ug/L		05/19/26 22:25	05/21/26 17:02	50
Benzaldehyde	ND		48	26	ug/L		05/19/26 22:25	05/21/26 17:02	50
Benzo[a]anthracene	**13**		9.1	3.6	ug/L		05/19/26 22:25	05/21/26 17:02	50
Benzo[a]pyrene	**9.7**		9.1	6.2	ug/L		05/19/26 22:25	05/21/26 17:02	50
Benzo[b]fluoranthene	**11**		9.1	4.7	ug/L		05/19/26 22:25	05/21/26 17:02	50
Benzo[g,h,i]perylene	**5.4**	**J**	9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:02	50

Client Sample ID: MW-27D
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**4.7**	**J**	9.1	4.2	ug/L		05/19/26 22:25	05/21/26 17:02	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/19/26 22:25	05/21/26 17:02	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/19/26 22:25	05/21/26 17:02	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/19/26 22:25	05/21/26 17:02	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/19/26 22:25	05/21/26 17:02	50
Caprolactam	ND		240	33	ug/L		05/19/26 22:25	05/21/26 17:02	50
Carbazole	**150**		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:02	50
Chrysene	**13**		9.1	3.9	ug/L		05/19/26 22:25	05/21/26 17:02	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/19/26 22:25	05/21/26 17:02	50
Dibenzofuran	**43**	**J**	48	9.1	ug/L		05/19/26 22:25	05/21/26 17:02	50
Diethyl phthalate	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:02	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/19/26 22:25	05/21/26 17:02	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/19/26 22:25	05/21/26 17:02	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/19/26 22:25	05/21/26 17:02	50
Fluoranthene	**44**		9.1	2.9	ug/L		05/19/26 22:25	05/21/26 17:02	50
Fluorene	**48**		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:02	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/19/26 22:25	05/21/26 17:02	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:02	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/19/26 22:25	05/21/26 17:02	50
Hexachloroethane	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:02	50
Indeno[1,2,3-cd]pyrene	**5.1**	**J**	9.1	4.1	ug/L		05/19/26 22:25	05/21/26 17:02	50
Isophorone	ND		48	9.0	ug/L		05/19/26 22:25	05/21/26 17:02	50
Methylphenol, 3 & 4	**1600**		48	18	ug/L		05/19/26 22:25	05/21/26 17:02	50
Naphthalene	**3900**	**E ES**	9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:02	50
Nitrobenzene	ND		96	24	ug/L		05/19/26 22:25	05/21/26 17:02	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/19/26 22:25	05/21/26 17:02	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:02	50
Pentachlorophenol	ND		240	41	ug/L		05/19/26 22:25	05/21/26 17:02	50
Phenanthrene	**92**		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:02	50
Phenol	**1000**		48	23	ug/L		05/19/26 22:25	05/21/26 17:02	50
Pyrene	**23**		9.1	5.3	ug/L		05/19/26 22:25	05/21/26 17:02	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 17:02*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:02*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:02*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 17:02*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 17:02*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 17:02*	*50*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		480	68	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,2'-oxybis[1-chloropropane]	ND		91	58	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4,5-Trichlorophenol	ND		480	120	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4,6-Trichlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4-Dichlorophenol	ND		91	25	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4-Dimethylphenol	**940**		480	280	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4-Dinitrophenol	ND		4800	1600	ug/L		05/19/26 22:25	05/21/26 19:09	500
2,4-Dinitrotoluene	ND		480	170	ug/L		05/19/26 22:25	05/21/26 19:09	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-27D
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		480	83	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Chloronaphthalene	ND		91	28	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Chlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Methylnaphthalene	**160**		91	30	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Methylphenol	**1600**		480	270	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Nitroaniline	ND		2400	260	ug/L		05/19/26 22:25	05/21/26 19:09	500
2-Nitrophenol	ND		480	93	ug/L		05/19/26 22:25	05/21/26 19:09	500
3,3'-Dichlorobenzidine	ND		480	280	ug/L		05/19/26 22:25	05/21/26 19:09	500
3-Nitroaniline	ND		2400	210	ug/L		05/19/26 22:25	05/21/26 19:09	500
4,6-Dinitro-2-methylphenol	ND		2400	710	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Bromophenyl phenyl ether	ND		480	150	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Chloro-3-methylphenol	ND		480	210	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Chloroaniline	ND	*- *1	480	180	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Chlorophenyl phenyl ether	ND		480	110	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Nitroaniline	ND		2400	170	ug/L		05/19/26 22:25	05/21/26 19:09	500
4-Nitrophenol	ND		2400	450	ug/L		05/19/26 22:25	05/21/26 19:09	500
Acenaphthene	ND		91	31	ug/L		05/19/26 22:25	05/21/26 19:09	500
Acenaphthylene	**59**	**J**	91	31	ug/L		05/19/26 22:25	05/21/26 19:09	500
Acetophenone	ND		480	76	ug/L		05/19/26 22:25	05/21/26 19:09	500
Anthracene	ND		91	24	ug/L		05/19/26 22:25	05/21/26 19:09	500
Atrazine	ND		480	140	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzaldehyde	ND		480	260	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzo[a]anthracene	ND		91	36	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzo[a]pyrene	ND		91	62	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzo[b]fluoranthene	ND		91	47	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzo[g,h,i]perylene	ND		91	33	ug/L		05/19/26 22:25	05/21/26 19:09	500
Benzo[k]fluoranthene	ND		91	42	ug/L		05/19/26 22:25	05/21/26 19:09	500
Bis(2-chloroethoxy)methane	ND		480	73	ug/L		05/19/26 22:25	05/21/26 19:09	500
Bis(2-chloroethyl)ether	ND		91	67	ug/L		05/19/26 22:25	05/21/26 19:09	500
Bis(2-ethylhexyl) phthalate	ND		4800	1000	ug/L		05/19/26 22:25	05/21/26 19:09	500
Butyl benzyl phthalate	ND		960	450	ug/L		05/19/26 22:25	05/21/26 19:09	500
Caprolactam	ND		2400	330	ug/L		05/19/26 22:25	05/21/26 19:09	500
Carbazole	**150**		91	25	ug/L		05/19/26 22:25	05/21/26 19:09	500
Chrysene	ND		91	39	ug/L		05/19/26 22:25	05/21/26 19:09	500
Dibenz(a,h)anthracene	ND		91	35	ug/L		05/19/26 22:25	05/21/26 19:09	500
Dibenzofuran	ND		480	91	ug/L		05/19/26 22:25	05/21/26 19:09	500
Diethyl phthalate	ND		480	120	ug/L		05/19/26 22:25	05/21/26 19:09	500
Dimethyl phthalate	ND		960	96	ug/L		05/19/26 22:25	05/21/26 19:09	500
Di-n-butyl phthalate	ND		480	180	ug/L		05/19/26 22:25	05/21/26 19:09	500
Di-n-octyl phthalate	ND		480	330	ug/L		05/19/26 22:25	05/21/26 19:09	500
Fluoranthene	**49**	**J**	91	29	ug/L		05/19/26 22:25	05/21/26 19:09	500
Fluorene	**50**	**J**	91	33	ug/L		05/19/26 22:25	05/21/26 19:09	500
Hexachlorobenzene	ND		91	27	ug/L		05/19/26 22:25	05/21/26 19:09	500
Hexachlorobutadiene	ND		91	75	ug/L		05/19/26 22:25	05/21/26 19:09	500
Hexachlorocyclopentadiene	ND		480	240	ug/L		05/19/26 22:25	05/21/26 19:09	500
Hexachloroethane	ND		480	150	ug/L		05/19/26 22:25	05/21/26 19:09	500
Indeno[1,2,3-cd]pyrene	ND		91	41	ug/L		05/19/26 22:25	05/21/26 19:09	500
Isophorone	ND		480	90	ug/L		05/19/26 22:25	05/21/26 19:09	500
Methylphenol, 3 & 4	**1700**		480	180	ug/L		05/19/26 22:25	05/21/26 19:09	500

Client Sample ID: MW-27D

Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-1

Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**4800**		91	28	ug/L		05/19/26 22:25	05/21/26 19:09	500
Nitrobenzene	ND		960	240	ug/L		05/19/26 22:25	05/21/26 19:09	500
N-Nitrosodi-n-propylamine	ND		91	34	ug/L		05/19/26 22:25	05/21/26 19:09	500
N-Nitrosodiphenylamine	ND		480	120	ug/L		05/19/26 22:25	05/21/26 19:09	500
Pentachlorophenol	ND		2400	410	ug/L		05/19/26 22:25	05/21/26 19:09	500
Phenanthrene	**99**		91	75	ug/L		05/19/26 22:25	05/21/26 19:09	500
Phenol	**1000**		480	230	ug/L		05/19/26 22:25	05/21/26 19:09	500
Pyrene	ND		91	53	ug/L		05/19/26 22:25	05/21/26 19:09	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 19:09*	*500*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 19:09*	*500*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 19:09*	*500*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 19:09*	*500*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 19:09*	*500*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 19:09*	*500*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		1.50	0.600	mg/L			05/23/26 20:59	1
Sulfate	**609**		150	50.0	mg/L			05/28/26 05:40	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.110	0.0500	mg/L			05/23/26 20:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 131.364**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**18**		0.85	0.05	NTU			05/19/26 16:06	1
Total Dissolved Solids (SM 2540C)	**1400**		10	10	mg/L			05/22/26 17:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**330**		5.0	5.0	mg/L			05/26/26 14:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.5**	**HF**	0.1	0.1	SU			05/22/26 16:55	1
Specific Conductance (SM 2510B)	**2000**		1.0	1.0	umhos/cm			05/19/26 14:21	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-9D
Date Collected: 05/18/26 12:35
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	1.6	ug/L			05/30/26 03:36	20
1,1,2,2-Tetrachloroethane	ND	^c	10	2.0	ug/L			05/30/26 03:36	20
1,1,2-Trichloroethane	ND		10	1.6	ug/L			05/30/26 03:36	20
1,1-Dichloroethane	ND		10	2.0	ug/L			05/30/26 03:36	20
1,1-Dichloroethene	ND		10	2.0	ug/L			05/30/26 03:36	20
1,2,4-Trichlorobenzene	ND		10	3.0	ug/L			05/30/26 03:36	20
1,2-Dibromo-3-Chloropropane	ND	^c	10	5.0	ug/L			05/30/26 03:36	20
1,2-Dibromoethane	ND		10	1.6	ug/L			05/30/26 03:36	20
1,2-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 03:36	20
1,2-Dichloroethane	ND		10	3.4	ug/L			05/30/26 03:36	20
1,2-Dichloropropane	ND		10	2.0	ug/L			05/30/26 03:36	20
1,3-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 03:36	20
1,4-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 03:36	20
2-Butanone	ND		100	50	ug/L			05/30/26 03:36	20
2-Hexanone	ND		100	40	ug/L			05/30/26 03:36	20
4-Methyl-2-pentanone	ND		100	20	ug/L			05/30/26 03:36	20
Acetone	ND		100	30	ug/L			05/30/26 03:36	20
Benzene	**110**		10	2.0	ug/L			05/30/26 03:36	20
Bromodichloromethane	ND		10	1.6	ug/L			05/30/26 03:36	20
Bromoform	ND		20	6.0	ug/L			05/30/26 03:36	20
Bromomethane	ND		10	2.0	ug/L			05/30/26 03:36	20
Carbon disulfide	ND		20	2.0	ug/L			05/30/26 03:36	20
Carbon tetrachloride	ND		10	2.0	ug/L			05/30/26 03:36	20
Chlorobenzene	ND		10	1.4	ug/L			05/30/26 03:36	20
Chloroethane	ND		10	2.0	ug/L			05/30/26 03:36	20
Chloroform	ND		10	1.8	ug/L			05/30/26 03:36	20
Chloromethane	ND		10	4.4	ug/L			05/30/26 03:36	20
cis-1,2-Dichloroethene	ND		10	1.6	ug/L			05/30/26 03:36	20
cis-1,3-Dichloropropene	ND		10	2.0	ug/L			05/30/26 03:36	20
Cyclohexane	ND		10	2.0	ug/L			05/30/26 03:36	20
Dibromochloromethane	ND		10	1.6	ug/L			05/30/26 03:36	20
Dichlorodifluoromethane	ND		10	4.4	ug/L			05/30/26 03:36	20
Ethylbenzene	**4.5**	**J**	10	1.6	ug/L			05/30/26 03:36	20
Freon 113	ND		10	3.4	ug/L			05/30/26 03:36	20
Isopropylbenzene	ND		10	1.6	ug/L			05/30/26 03:36	20
Methyl acetate	ND	^c	20	4.0	ug/L			05/30/26 03:36	20
Methyl tertiary butyl ether	ND		10	1.6	ug/L			05/30/26 03:36	20
Methylcyclohexane	ND		10	2.0	ug/L			05/30/26 03:36	20
Methylene Chloride	ND		10	4.0	ug/L			05/30/26 03:36	20
Styrene	**8.7**	**J**	10	1.4	ug/L			05/30/26 03:36	20
Tetrachloroethene	ND		10	4.0	ug/L			05/30/26 03:36	20
Toluene	**64**		10	1.6	ug/L			05/30/26 03:36	20
trans-1,2-Dichloroethene	ND		10	2.0	ug/L			05/30/26 03:36	20
trans-1,3-Dichloropropene	ND	^c	10	1.6	ug/L			05/30/26 03:36	20
Trichloroethene	ND		10	1.6	ug/L			05/30/26 03:36	20
Trichlorofluoromethane	ND	^c	10	2.0	ug/L			05/30/26 03:36	20
Vinyl chloride	ND		10	2.0	ug/L			05/30/26 03:36	20
Xylene (total)	**47**		20	1.4	ug/L			05/30/26 03:36	20

Client Sample ID: MW-9D
Date Collected: 05/18/26 12:35
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/30/26 03:36*	*20*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*05/30/26 03:36*	*20*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/30/26 03:36*	*20*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/30/26 03:36*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/19/26 22:25	05/21/26 17:23	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Chlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Methylnaphthalene	**17**		9.1	3.0	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Methylphenol	ND		48	27	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Nitroaniline	ND		240	26	ug/L		05/19/26 22:25	05/21/26 17:23	50
2-Nitrophenol	ND		48	9.3	ug/L		05/19/26 22:25	05/21/26 17:23	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/19/26 22:25	05/21/26 17:23	50
3-Nitroaniline	ND		240	21	ug/L		05/19/26 22:25	05/21/26 17:23	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Chloroaniline	ND	*- *1	48	18	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Nitroaniline	ND		240	17	ug/L		05/19/26 22:25	05/21/26 17:23	50
4-Nitrophenol	ND		240	45	ug/L		05/19/26 22:25	05/21/26 17:23	50
Acenaphthene	**12**		9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:23	50
Acenaphthylene	**32**		9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:23	50
Acetophenone	ND		48	7.6	ug/L		05/19/26 22:25	05/21/26 17:23	50
Anthracene	**9.3**		9.1	2.4	ug/L		05/19/26 22:25	05/21/26 17:23	50
Atrazine	ND		48	14	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzaldehyde	ND		48	26	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzo[a]anthracene	**4.4**	**J**	9.1	3.6	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:23	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/19/26 22:25	05/21/26 17:23	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/19/26 22:25	05/21/26 17:23	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/19/26 22:25	05/21/26 17:23	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/19/26 22:25	05/21/26 17:23	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/19/26 22:25	05/21/26 17:23	50
Caprolactam	ND		240	33	ug/L		05/19/26 22:25	05/21/26 17:23	50
Carbazole	**69**		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:23	50
Chrysene	ND		9.1	3.9	ug/L		05/19/26 22:25	05/21/26 17:23	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/19/26 22:25	05/21/26 17:23	50

Client Sample ID: MW-9D
Date Collected: 05/18/26 12:35
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**33**	**J**	48	9.1	ug/L		05/19/26 22:25	05/21/26 17:23	50
Diethyl phthalate	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:23	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/19/26 22:25	05/21/26 17:23	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/19/26 22:25	05/21/26 17:23	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/19/26 22:25	05/21/26 17:23	50
Fluoranthene	**18**		9.1	2.9	ug/L		05/19/26 22:25	05/21/26 17:23	50
Fluorene	**45**		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:23	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/19/26 22:25	05/21/26 17:23	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:23	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/19/26 22:25	05/21/26 17:23	50
Hexachloroethane	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:23	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/19/26 22:25	05/21/26 17:23	50
Isophorone	ND		48	9.0	ug/L		05/19/26 22:25	05/21/26 17:23	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/19/26 22:25	05/21/26 17:23	50
Naphthalene	**270**		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:23	50
Nitrobenzene	ND		96	24	ug/L		05/19/26 22:25	05/21/26 17:23	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/19/26 22:25	05/21/26 17:23	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:23	50
Pentachlorophenol	ND		240	41	ug/L		05/19/26 22:25	05/21/26 17:23	50
Phenanthrene	**31**		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:23	50
Phenol	ND		48	23	ug/L		05/19/26 22:25	05/21/26 17:23	50
Pyrene	**9.5**		9.1	5.3	ug/L		05/19/26 22:25	05/21/26 17:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 17:23*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:23*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:23*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 17:23*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 17:23*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 17:23*	*50*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**287**		75.0	30.0	mg/L			05/28/26 06:05	50
Sulfate	**1320**		75.0	25.0	mg/L			05/28/26 06:05	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.550	0.250	mg/L			05/23/26 20:48	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 335.0088**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**95**		4.2	0.25	NTU			05/19/26 16:06	5
Total Dissolved Solids (SM 2540C)	**2500**		20	20	mg/L			05/22/26 17:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			05/26/26 14:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.5**	**HF**	0.1	0.1	SU			05/22/26 17:01	1
Specific Conductance (SM 2510B)	**3600**		1.0	1.0	umhos/cm			05/19/26 14:23	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-9S
Date Collected: 05/18/26 15:20
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	1.6	ug/L			05/30/26 04:20	20
1,1,2,2-Tetrachloroethane	ND	^c	10	2.0	ug/L			05/30/26 04:20	20
1,1,2-Trichloroethane	ND		10	1.6	ug/L			05/30/26 04:20	20
1,1-Dichloroethane	ND		10	2.0	ug/L			05/30/26 04:20	20
1,1-Dichloroethene	ND		10	2.0	ug/L			05/30/26 04:20	20
1,2,4-Trichlorobenzene	ND		10	3.0	ug/L			05/30/26 04:20	20
1,2-Dibromo-3-Chloropropane	ND	^c	10	5.0	ug/L			05/30/26 04:20	20
1,2-Dibromoethane	ND		10	1.6	ug/L			05/30/26 04:20	20
1,2-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 04:20	20
1,2-Dichloroethane	ND		10	3.4	ug/L			05/30/26 04:20	20
1,2-Dichloropropane	ND		10	2.0	ug/L			05/30/26 04:20	20
1,3-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 04:20	20
1,4-Dichlorobenzene	ND		10	1.4	ug/L			05/30/26 04:20	20
2-Butanone	ND		100	50	ug/L			05/30/26 04:20	20
2-Hexanone	ND		100	40	ug/L			05/30/26 04:20	20
4-Methyl-2-pentanone	ND		100	20	ug/L			05/30/26 04:20	20
Acetone	ND		100	30	ug/L			05/30/26 04:20	20
Benzene	**190**		10	2.0	ug/L			05/30/26 04:20	20
Bromodichloromethane	ND		10	1.6	ug/L			05/30/26 04:20	20
Bromoform	ND		20	6.0	ug/L			05/30/26 04:20	20
Bromomethane	ND		10	2.0	ug/L			05/30/26 04:20	20
Carbon disulfide	ND		20	2.0	ug/L			05/30/26 04:20	20
Carbon tetrachloride	ND		10	2.0	ug/L			05/30/26 04:20	20
Chlorobenzene	ND		10	1.4	ug/L			05/30/26 04:20	20
Chloroethane	ND		10	2.0	ug/L			05/30/26 04:20	20
Chloroform	ND		10	1.8	ug/L			05/30/26 04:20	20
Chloromethane	ND		10	4.4	ug/L			05/30/26 04:20	20
cis-1,2-Dichloroethene	ND		10	1.6	ug/L			05/30/26 04:20	20
cis-1,3-Dichloropropene	ND		10	2.0	ug/L			05/30/26 04:20	20
Cyclohexane	ND		10	2.0	ug/L			05/30/26 04:20	20
Dibromochloromethane	ND		10	1.6	ug/L			05/30/26 04:20	20
Dichlorodifluoromethane	ND		10	4.4	ug/L			05/30/26 04:20	20
Ethylbenzene	**3.2**	**J**	10	1.6	ug/L			05/30/26 04:20	20
Freon 113	ND		10	3.4	ug/L			05/30/26 04:20	20
Isopropylbenzene	**4.3**	**J**	10	1.6	ug/L			05/30/26 04:20	20
Methyl acetate	ND	^c	20	4.0	ug/L			05/30/26 04:20	20
Methyl tertiary butyl ether	ND		10	1.6	ug/L			05/30/26 04:20	20
Methylcyclohexane	ND		10	2.0	ug/L			05/30/26 04:20	20
Methylene Chloride	ND		10	4.0	ug/L			05/30/26 04:20	20
Styrene	ND		10	1.4	ug/L			05/30/26 04:20	20
Tetrachloroethene	ND		10	4.0	ug/L			05/30/26 04:20	20
Toluene	**16**		10	1.6	ug/L			05/30/26 04:20	20
trans-1,2-Dichloroethene	ND		10	2.0	ug/L			05/30/26 04:20	20
trans-1,3-Dichloropropene	ND	^c	10	1.6	ug/L			05/30/26 04:20	20
Trichloroethene	ND		10	1.6	ug/L			05/30/26 04:20	20
Trichlorofluoromethane	ND	^c	10	2.0	ug/L			05/30/26 04:20	20
Vinyl chloride	ND		10	2.0	ug/L			05/30/26 04:20	20
Xylene (total)	**79**		20	1.4	ug/L			05/30/26 04:20	20

Client Sample ID: MW-9S
Date Collected: 05/18/26 15:20
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/30/26 04:20*	*20*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*05/30/26 04:20*	*20*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/30/26 04:20*	*20*
Toluene-d8 (Surr)	*109*		*80 - 120*		*05/30/26 04:20*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**20**	**J**	48	6.8	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/19/26 22:25	05/21/26 17:45	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Chlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Methylnaphthalene	ND		9.1	3.0	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Methylphenol	ND		48	27	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Nitroaniline	ND		240	26	ug/L		05/19/26 22:25	05/21/26 17:45	50
2-Nitrophenol	ND		48	9.3	ug/L		05/19/26 22:25	05/21/26 17:45	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/19/26 22:25	05/21/26 17:45	50
3-Nitroaniline	ND		240	21	ug/L		05/19/26 22:25	05/21/26 17:45	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Chloroaniline	ND	*- *1	48	18	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Nitroaniline	ND		240	17	ug/L		05/19/26 22:25	05/21/26 17:45	50
4-Nitrophenol	ND		240	45	ug/L		05/19/26 22:25	05/21/26 17:45	50
Acenaphthene	**4.7**	**J**	9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:45	50
Acenaphthylene	**6.0**	**J**	9.1	3.1	ug/L		05/19/26 22:25	05/21/26 17:45	50
Acetophenone	ND		48	7.6	ug/L		05/19/26 22:25	05/21/26 17:45	50
Anthracene	**5.0**	**J**	9.1	2.4	ug/L		05/19/26 22:25	05/21/26 17:45	50
Atrazine	ND		48	14	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzaldehyde	ND		48	26	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:45	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/19/26 22:25	05/21/26 17:45	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/19/26 22:25	05/21/26 17:45	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/19/26 22:25	05/21/26 17:45	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/19/26 22:25	05/21/26 17:45	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/19/26 22:25	05/21/26 17:45	50
Caprolactam	ND		240	33	ug/L		05/19/26 22:25	05/21/26 17:45	50
Carbazole	**94**		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 17:45	50
Chrysene	ND		9.1	3.9	ug/L		05/19/26 22:25	05/21/26 17:45	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/19/26 22:25	05/21/26 17:45	50

Client Sample ID: MW-9S
Date Collected: 05/18/26 15:20
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**40**	**J**	48	9.1	ug/L		05/19/26 22:25	05/21/26 17:45	50
Diethyl phthalate	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:45	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/19/26 22:25	05/21/26 17:45	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/19/26 22:25	05/21/26 17:45	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/19/26 22:25	05/21/26 17:45	50
Fluoranthene	**7.4**	**J**	9.1	2.9	ug/L		05/19/26 22:25	05/21/26 17:45	50
Fluorene	**39**		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 17:45	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/19/26 22:25	05/21/26 17:45	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:45	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/19/26 22:25	05/21/26 17:45	50
Hexachloroethane	ND		48	15	ug/L		05/19/26 22:25	05/21/26 17:45	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/19/26 22:25	05/21/26 17:45	50
Isophorone	ND		48	9.0	ug/L		05/19/26 22:25	05/21/26 17:45	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/19/26 22:25	05/21/26 17:45	50
Naphthalene	**810**		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 17:45	50
Nitrobenzene	ND		96	24	ug/L		05/19/26 22:25	05/21/26 17:45	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/19/26 22:25	05/21/26 17:45	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/19/26 22:25	05/21/26 17:45	50
Pentachlorophenol	ND		240	41	ug/L		05/19/26 22:25	05/21/26 17:45	50
Phenanthrene	**47**		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 17:45	50
Phenol	ND		48	23	ug/L		05/19/26 22:25	05/21/26 17:45	50
Pyrene	ND		9.1	5.3	ug/L		05/19/26 22:25	05/21/26 17:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 17:45*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:45*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 17:45*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 17:45*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 17:45*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 17:45*	*50*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.34**		1.50	0.600	mg/L			05/23/26 21:45	1
Sulfate	**675**		150	50.0	mg/L			05/28/26 05:52	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.110	0.0500	mg/L			05/23/26 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 378.504**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**200**		8.5	0.50	NTU			05/19/26 16:06	10
Total Dissolved Solids (SM 2540C)	**1400**		10	10	mg/L			05/22/26 17:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**340**		5.0	5.0	mg/L			05/26/26 14:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.2**	**HF**	0.1	0.1	SU			05/22/26 17:06	1
Specific Conductance (SM 2510B)	**1800**		1.0	1.0	umhos/cm			05/19/26 14:24	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26S
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			05/31/26 00:52	500
1,1,2,2-Tetrachloroethane	ND	^c	250	50	ug/L			05/31/26 00:52	500
1,1,2-Trichloroethane	ND		250	40	ug/L			05/31/26 00:52	500
1,1-Dichloroethane	ND		250	50	ug/L			05/31/26 00:52	500
1,1-Dichloroethene	ND		250	50	ug/L			05/31/26 00:52	500
1,2,4-Trichlorobenzene	ND		250	75	ug/L			05/31/26 00:52	500
1,2-Dibromo-3-Chloropropane	ND		250	130	ug/L			05/31/26 00:52	500
1,2-Dibromoethane	ND		250	40	ug/L			05/31/26 00:52	500
1,2-Dichlorobenzene	ND		250	35	ug/L			05/31/26 00:52	500
1,2-Dichloroethane	ND		250	85	ug/L			05/31/26 00:52	500
1,2-Dichloropropane	ND		250	50	ug/L			05/31/26 00:52	500
1,3-Dichlorobenzene	ND		250	35	ug/L			05/31/26 00:52	500
1,4-Dichlorobenzene	ND		250	35	ug/L			05/31/26 00:52	500
2-Butanone	ND		2500	1300	ug/L			05/31/26 00:52	500
2-Hexanone	ND		2500	1000	ug/L			05/31/26 00:52	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			05/31/26 00:52	500
Acetone	**820**	**J**	2500	750	ug/L			05/31/26 00:52	500
Bromodichloromethane	ND		250	40	ug/L			05/31/26 00:52	500
Bromoform	ND		500	150	ug/L			05/31/26 00:52	500
Bromomethane	ND		250	50	ug/L			05/31/26 00:52	500
Carbon disulfide	ND		500	50	ug/L			05/31/26 00:52	500
Carbon tetrachloride	ND		250	50	ug/L			05/31/26 00:52	500
Chlorobenzene	ND		250	35	ug/L			05/31/26 00:52	500
Chloroethane	ND		250	50	ug/L			05/31/26 00:52	500
Chloroform	ND		250	45	ug/L			05/31/26 00:52	500
Chloromethane	ND		250	110	ug/L			05/31/26 00:52	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			05/31/26 00:52	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			05/31/26 00:52	500
Cyclohexane	ND		250	50	ug/L			05/31/26 00:52	500
Dibromochloromethane	ND		250	40	ug/L			05/31/26 00:52	500
Dichlorodifluoromethane	ND		250	110	ug/L			05/31/26 00:52	500
Ethylbenzene	**1200**		250	40	ug/L			05/31/26 00:52	500
Freon 113	ND		250	85	ug/L			05/31/26 00:52	500
Isopropylbenzene	ND		250	40	ug/L			05/31/26 00:52	500
Methyl acetate	ND	^c	500	100	ug/L			05/31/26 00:52	500
Methyl tertiary butyl ether	ND		250	40	ug/L			05/31/26 00:52	500
Methylcyclohexane	ND		250	50	ug/L			05/31/26 00:52	500
Methylene Chloride	ND		250	100	ug/L			05/31/26 00:52	500
Styrene	ND		250	35	ug/L			05/31/26 00:52	500
Tetrachloroethene	ND		250	100	ug/L			05/31/26 00:52	500
Toluene	**1000**		250	40	ug/L			05/31/26 00:52	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			05/31/26 00:52	500
trans-1,3-Dichloropropene	ND	^c	250	40	ug/L			05/31/26 00:52	500
Trichloroethene	ND		250	40	ug/L			05/31/26 00:52	500
Trichlorofluoromethane	ND	^c	250	50	ug/L			05/31/26 00:52	500
Vinyl chloride	ND		250	50	ug/L			05/31/26 00:52	500
Xylene (total)	**1200**		500	35	ug/L			05/31/26 00:52	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/31/26 00:52*	*500*

Client Sample ID: MW-26S
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*05/31/26 00:52*	*500*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/31/26 00:52*	*500*
Toluene-d8 (Surr)	*111*		*80 - 120*		*05/31/26 00:52*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13000**		2500	500	ug/L			05/31/26 01:14	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/31/26 01:14*	*5000*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*05/31/26 01:14*	*5000*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/31/26 01:14*	*5000*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/31/26 01:14*	*5000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**14**	**J**	48	6.8	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4-Dimethylphenol	**1000**		48	28	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/19/26 22:25	05/21/26 18:06	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Chlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Methylnaphthalene	**120**		9.1	3.0	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Methylphenol	**1700**		48	27	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Nitroaniline	ND		240	26	ug/L		05/19/26 22:25	05/21/26 18:06	50
2-Nitrophenol	ND		48	9.3	ug/L		05/19/26 22:25	05/21/26 18:06	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/19/26 22:25	05/21/26 18:06	50
3-Nitroaniline	ND		240	21	ug/L		05/19/26 22:25	05/21/26 18:06	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Chloroaniline	ND	*- *1	48	18	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Nitroaniline	ND		240	17	ug/L		05/19/26 22:25	05/21/26 18:06	50
4-Nitrophenol	ND		240	45	ug/L		05/19/26 22:25	05/21/26 18:06	50
Acenaphthene	**3.6**	**J**	9.1	3.1	ug/L		05/19/26 22:25	05/21/26 18:06	50
Acenaphthylene	**3.3**	**J**	9.1	3.1	ug/L		05/19/26 22:25	05/21/26 18:06	50
Acetophenone	**43**	**J**	48	7.6	ug/L		05/19/26 22:25	05/21/26 18:06	50
Anthracene	**5.0**	**J**	9.1	2.4	ug/L		05/19/26 22:25	05/21/26 18:06	50
Atrazine	ND		48	14	ug/L		05/19/26 22:25	05/21/26 18:06	50
Benzaldehyde	ND		48	26	ug/L		05/19/26 22:25	05/21/26 18:06	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/19/26 22:25	05/21/26 18:06	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/19/26 22:25	05/21/26 18:06	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/19/26 22:25	05/21/26 18:06	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 18:06	50

Client Sample ID: MW-26S
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/19/26 22:25	05/21/26 18:06	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/19/26 22:25	05/21/26 18:06	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/19/26 22:25	05/21/26 18:06	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/19/26 22:25	05/21/26 18:06	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/19/26 22:25	05/21/26 18:06	50
Caprolactam	ND		240	33	ug/L		05/19/26 22:25	05/21/26 18:06	50
Carbazole	**120**		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 18:06	50
Chrysene	ND		9.1	3.9	ug/L		05/19/26 22:25	05/21/26 18:06	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/19/26 22:25	05/21/26 18:06	50
Dibenzofuran	**30**	**J**	48	9.1	ug/L		05/19/26 22:25	05/21/26 18:06	50
Diethyl phthalate	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:06	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/19/26 22:25	05/21/26 18:06	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/19/26 22:25	05/21/26 18:06	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/19/26 22:25	05/21/26 18:06	50
Fluoranthene	ND		9.1	2.9	ug/L		05/19/26 22:25	05/21/26 18:06	50
Fluorene	**25**		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 18:06	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/19/26 22:25	05/21/26 18:06	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 18:06	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/19/26 22:25	05/21/26 18:06	50
Hexachloroethane	ND		48	15	ug/L		05/19/26 22:25	05/21/26 18:06	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/19/26 22:25	05/21/26 18:06	50
Isophorone	ND		48	9.0	ug/L		05/19/26 22:25	05/21/26 18:06	50
Methylphenol, 3 & 4	**170**		48	18	ug/L		05/19/26 22:25	05/21/26 18:06	50
Naphthalene	**3500**	**E ES**	9.1	2.8	ug/L		05/19/26 22:25	05/21/26 18:06	50
Nitrobenzene	ND		96	24	ug/L		05/19/26 22:25	05/21/26 18:06	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/19/26 22:25	05/21/26 18:06	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:06	50
Pentachlorophenol	ND		240	41	ug/L		05/19/26 22:25	05/21/26 18:06	50
Phenanthrene	**27**		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 18:06	50
Phenol	**100**		48	23	ug/L		05/19/26 22:25	05/21/26 18:06	50
Pyrene	ND		9.1	5.3	ug/L		05/19/26 22:25	05/21/26 18:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 18:06*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 18:06*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 18:06*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 18:06*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 18:06*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 18:06*	*50*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		480	68	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,2'-oxybis[1-chloropropane]	ND		91	58	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4,5-Trichlorophenol	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4,6-Trichlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4-Dichlorophenol	ND		91	25	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4-Dimethylphenol	**1200**		480	280	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4-Dinitrophenol	ND		4800	1600	ug/L		05/19/26 22:25	05/21/26 20:12	500
2,4-Dinitrotoluene	ND		480	170	ug/L		05/19/26 22:25	05/21/26 20:12	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26S
Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		480	83	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Chloronaphthalene	ND		91	28	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Chlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Methylnaphthalene	**140**		91	30	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Methylphenol	**2000**		480	270	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Nitroaniline	ND		2400	260	ug/L		05/19/26 22:25	05/21/26 20:12	500
2-Nitrophenol	ND		480	93	ug/L		05/19/26 22:25	05/21/26 20:12	500
3,3'-Dichlorobenzidine	ND		480	280	ug/L		05/19/26 22:25	05/21/26 20:12	500
3-Nitroaniline	ND		2400	210	ug/L		05/19/26 22:25	05/21/26 20:12	500
4,6-Dinitro-2-methylphenol	ND		2400	710	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Bromophenyl phenyl ether	ND		480	150	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Chloro-3-methylphenol	ND		480	210	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Chloroaniline	ND	*- *1	480	180	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Chlorophenyl phenyl ether	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Nitroaniline	ND		2400	170	ug/L		05/19/26 22:25	05/21/26 20:12	500
4-Nitrophenol	ND		2400	450	ug/L		05/19/26 22:25	05/21/26 20:12	500
Acenaphthene	ND		91	31	ug/L		05/19/26 22:25	05/21/26 20:12	500
Acenaphthylene	ND		91	31	ug/L		05/19/26 22:25	05/21/26 20:12	500
Acetophenone	ND		480	76	ug/L		05/19/26 22:25	05/21/26 20:12	500
Anthracene	ND		91	24	ug/L		05/19/26 22:25	05/21/26 20:12	500
Atrazine	ND		480	140	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzaldehyde	ND		480	260	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzo[a]anthracene	ND		91	36	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzo[a]pyrene	ND		91	62	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzo[b]fluoranthene	ND		91	47	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzo[g,h,i]perylene	ND		91	33	ug/L		05/19/26 22:25	05/21/26 20:12	500
Benzo[k]fluoranthene	ND		91	42	ug/L		05/19/26 22:25	05/21/26 20:12	500
Bis(2-chloroethoxy)methane	ND		480	73	ug/L		05/19/26 22:25	05/21/26 20:12	500
Bis(2-chloroethyl)ether	ND		91	67	ug/L		05/19/26 22:25	05/21/26 20:12	500
Bis(2-ethylhexyl) phthalate	ND		4800	1000	ug/L		05/19/26 22:25	05/21/26 20:12	500
Butyl benzyl phthalate	ND		960	450	ug/L		05/19/26 22:25	05/21/26 20:12	500
Caprolactam	ND		2400	330	ug/L		05/19/26 22:25	05/21/26 20:12	500
Carbazole	**140**		91	25	ug/L		05/19/26 22:25	05/21/26 20:12	500
Chrysene	ND		91	39	ug/L		05/19/26 22:25	05/21/26 20:12	500
Dibenz(a,h)anthracene	ND		91	35	ug/L		05/19/26 22:25	05/21/26 20:12	500
Dibenzofuran	ND		480	91	ug/L		05/19/26 22:25	05/21/26 20:12	500
Diethyl phthalate	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:12	500
Dimethyl phthalate	ND		960	96	ug/L		05/19/26 22:25	05/21/26 20:12	500
Di-n-butyl phthalate	ND		480	180	ug/L		05/19/26 22:25	05/21/26 20:12	500
Di-n-octyl phthalate	ND		480	330	ug/L		05/19/26 22:25	05/21/26 20:12	500
Fluoranthene	ND		91	29	ug/L		05/19/26 22:25	05/21/26 20:12	500
Fluorene	ND		91	33	ug/L		05/19/26 22:25	05/21/26 20:12	500
Hexachlorobenzene	ND		91	27	ug/L		05/19/26 22:25	05/21/26 20:12	500
Hexachlorobutadiene	ND		91	75	ug/L		05/19/26 22:25	05/21/26 20:12	500
Hexachlorocyclopentadiene	ND		480	240	ug/L		05/19/26 22:25	05/21/26 20:12	500
Hexachloroethane	ND		480	150	ug/L		05/19/26 22:25	05/21/26 20:12	500
Indeno[1,2,3-cd]pyrene	ND		91	41	ug/L		05/19/26 22:25	05/21/26 20:12	500
Isophorone	ND		480	90	ug/L		05/19/26 22:25	05/21/26 20:12	500
Methylphenol, 3 & 4	**180**	**J**	480	180	ug/L		05/19/26 22:25	05/21/26 20:12	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26S

Date Collected: 05/18/26 11:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-4

Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**5200**		91	28	ug/L		05/19/26 22:25	05/21/26 20:12	500
Nitrobenzene	ND		960	240	ug/L		05/19/26 22:25	05/21/26 20:12	500
N-Nitrosodi-n-propylamine	ND		91	34	ug/L		05/19/26 22:25	05/21/26 20:12	500
N-Nitrosodiphenylamine	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:12	500
Pentachlorophenol	ND		2400	410	ug/L		05/19/26 22:25	05/21/26 20:12	500
Phenanthrene	ND		91	75	ug/L		05/19/26 22:25	05/21/26 20:12	500
Phenol	ND		480	230	ug/L		05/19/26 22:25	05/21/26 20:12	500
Pyrene	ND		91	53	ug/L		05/19/26 22:25	05/21/26 20:12	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 20:12*	*500*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 20:12*	*500*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 20:12*	*500*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 20:12*	*500*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 20:12*	*500*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 20:12*	*500*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.4**		15.0	6.00	mg/L			05/23/26 22:20	10
Sulfate	**615**		150	50.0	mg/L			05/28/26 05:40	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.110	0.0500	mg/L			05/23/26 22:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 254.688**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**380**		8.5	0.50	NTU			05/19/26 16:06	10
Total Dissolved Solids (SM 2540C)	**1200**		20	20	mg/L			05/22/26 17:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**410**		5.0	5.0	mg/L			05/26/26 14:57	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.9**	**HF**	0.1	0.1	SU			05/22/26 17:11	1
Specific Conductance (SM 2510B)	**2200**		1.0	1.0	umhos/cm			05/19/26 14:30	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26D
Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	16	ug/L			05/30/26 05:04	200
1,1,2,2-Tetrachloroethane	ND	^c	100	20	ug/L			05/30/26 05:04	200
1,1,2-Trichloroethane	ND		100	16	ug/L			05/30/26 05:04	200
1,1-Dichloroethane	ND		100	20	ug/L			05/30/26 05:04	200
1,1-Dichloroethene	ND		100	20	ug/L			05/30/26 05:04	200
1,2,4-Trichlorobenzene	ND		100	30	ug/L			05/30/26 05:04	200
1,2-Dibromo-3-Chloropropane	ND	^c	100	50	ug/L			05/30/26 05:04	200
1,2-Dibromoethane	ND		100	16	ug/L			05/30/26 05:04	200
1,2-Dichlorobenzene	ND		100	14	ug/L			05/30/26 05:04	200
1,2-Dichloroethane	ND		100	34	ug/L			05/30/26 05:04	200
1,2-Dichloropropane	ND		100	20	ug/L			05/30/26 05:04	200
1,3-Dichlorobenzene	ND		100	14	ug/L			05/30/26 05:04	200
1,4-Dichlorobenzene	ND		100	14	ug/L			05/30/26 05:04	200
2-Butanone	ND		1000	500	ug/L			05/30/26 05:04	200
2-Hexanone	ND		1000	400	ug/L			05/30/26 05:04	200
4-Methyl-2-pentanone	ND		1000	200	ug/L			05/30/26 05:04	200
Acetone	ND		1000	300	ug/L			05/30/26 05:04	200
Benzene	**5000**		100	20	ug/L			05/30/26 05:04	200
Bromodichloromethane	ND		100	16	ug/L			05/30/26 05:04	200
Bromoform	ND		200	60	ug/L			05/30/26 05:04	200
Bromomethane	ND		100	20	ug/L			05/30/26 05:04	200
Carbon disulfide	ND		200	20	ug/L			05/30/26 05:04	200
Carbon tetrachloride	ND		100	20	ug/L			05/30/26 05:04	200
Chlorobenzene	ND		100	14	ug/L			05/30/26 05:04	200
Chloroethane	ND		100	20	ug/L			05/30/26 05:04	200
Chloroform	ND		100	18	ug/L			05/30/26 05:04	200
Chloromethane	ND		100	44	ug/L			05/30/26 05:04	200
cis-1,2-Dichloroethene	ND		100	16	ug/L			05/30/26 05:04	200
cis-1,3-Dichloropropene	ND		100	20	ug/L			05/30/26 05:04	200
Cyclohexane	ND		100	20	ug/L			05/30/26 05:04	200
Dibromochloromethane	ND		100	16	ug/L			05/30/26 05:04	200
Dichlorodifluoromethane	ND		100	44	ug/L			05/30/26 05:04	200
Ethylbenzene	**560**		100	16	ug/L			05/30/26 05:04	200
Freon 113	ND		100	34	ug/L			05/30/26 05:04	200
Isopropylbenzene	ND		100	16	ug/L			05/30/26 05:04	200
Methyl acetate	ND	^c	200	40	ug/L			05/30/26 05:04	200
Methyl tertiary butyl ether	ND		100	16	ug/L			05/30/26 05:04	200
Methylcyclohexane	ND		100	20	ug/L			05/30/26 05:04	200
Methylene Chloride	ND		100	40	ug/L			05/30/26 05:04	200
Styrene	ND		100	14	ug/L			05/30/26 05:04	200
Tetrachloroethene	ND		100	40	ug/L			05/30/26 05:04	200
Toluene	**370**		100	16	ug/L			05/30/26 05:04	200
trans-1,2-Dichloroethene	ND		100	20	ug/L			05/30/26 05:04	200
trans-1,3-Dichloropropene	ND	^c	100	16	ug/L			05/30/26 05:04	200
Trichloroethene	ND		100	16	ug/L			05/30/26 05:04	200
Trichlorofluoromethane	ND	^c	100	20	ug/L			05/30/26 05:04	200
Vinyl chloride	ND		100	20	ug/L			05/30/26 05:04	200
Xylene (total)	**700**		200	14	ug/L			05/30/26 05:04	200

Client Sample ID: MW-26D
Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/30/26 05:04*	*200*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*05/30/26 05:04*	*200*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/30/26 05:04*	*200*
Toluene-d8 (Surr)	*111*		*80 - 120*		*05/30/26 05:04*	*200*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**21**	**J**	48	6.8	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4-Dimethylphenol	**420**		48	28	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/19/26 22:25	05/21/26 18:27	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Chlorophenol	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Methylnaphthalene	**170**		9.1	3.0	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Methylphenol	**670**		48	27	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Nitroaniline	ND		240	26	ug/L		05/19/26 22:25	05/21/26 18:27	50
2-Nitrophenol	ND		48	9.3	ug/L		05/19/26 22:25	05/21/26 18:27	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/19/26 22:25	05/21/26 18:27	50
3-Nitroaniline	ND		240	21	ug/L		05/19/26 22:25	05/21/26 18:27	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Chloroaniline	ND	*- *1	48	18	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Nitroaniline	ND		240	17	ug/L		05/19/26 22:25	05/21/26 18:27	50
4-Nitrophenol	ND		240	45	ug/L		05/19/26 22:25	05/21/26 18:27	50
Acenaphthene	**5.6**	**J**	9.1	3.1	ug/L		05/19/26 22:25	05/21/26 18:27	50
Acenaphthylene	ND		9.1	3.1	ug/L		05/19/26 22:25	05/21/26 18:27	50
Acetophenone	**29**	**J**	48	7.6	ug/L		05/19/26 22:25	05/21/26 18:27	50
Anthracene	**8.4**	**J**	9.1	2.4	ug/L		05/19/26 22:25	05/21/26 18:27	50
Atrazine	ND		48	14	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzaldehyde	ND		48	26	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 18:27	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/19/26 22:25	05/21/26 18:27	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/19/26 22:25	05/21/26 18:27	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/19/26 22:25	05/21/26 18:27	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/19/26 22:25	05/21/26 18:27	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/19/26 22:25	05/21/26 18:27	50
Caprolactam	ND		240	33	ug/L		05/19/26 22:25	05/21/26 18:27	50
Carbazole	**160**		9.1	2.5	ug/L		05/19/26 22:25	05/21/26 18:27	50
Chrysene	ND		9.1	3.9	ug/L		05/19/26 22:25	05/21/26 18:27	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/19/26 22:25	05/21/26 18:27	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26D
Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**46**	**J**	48	9.1	ug/L		05/19/26 22:25	05/21/26 18:27	50
Diethyl phthalate	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:27	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/19/26 22:25	05/21/26 18:27	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/19/26 22:25	05/21/26 18:27	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/19/26 22:25	05/21/26 18:27	50
Fluoranthene	**4.2**	**J**	9.1	2.9	ug/L		05/19/26 22:25	05/21/26 18:27	50
Fluorene	**43**		9.1	3.3	ug/L		05/19/26 22:25	05/21/26 18:27	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/19/26 22:25	05/21/26 18:27	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 18:27	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/19/26 22:25	05/21/26 18:27	50
Hexachloroethane	ND		48	15	ug/L		05/19/26 22:25	05/21/26 18:27	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/19/26 22:25	05/21/26 18:27	50
Isophorone	ND		48	9.0	ug/L		05/19/26 22:25	05/21/26 18:27	50
Methylphenol, 3 & 4	**66**		48	18	ug/L		05/19/26 22:25	05/21/26 18:27	50
Naphthalene	**3700**	**E ES**	9.1	2.8	ug/L		05/19/26 22:25	05/21/26 18:27	50
Nitrobenzene	ND		96	24	ug/L		05/19/26 22:25	05/21/26 18:27	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/19/26 22:25	05/21/26 18:27	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/19/26 22:25	05/21/26 18:27	50
Pentachlorophenol	ND		240	41	ug/L		05/19/26 22:25	05/21/26 18:27	50
Phenanthrene	**42**		9.1	7.5	ug/L		05/19/26 22:25	05/21/26 18:27	50
Phenol	**50**		48	23	ug/L		05/19/26 22:25	05/21/26 18:27	50
Pyrene	ND		9.1	5.3	ug/L		05/19/26 22:25	05/21/26 18:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 18:27*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 18:27*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 18:27*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 18:27*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 18:27*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 18:27*	*50*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		480	68	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,2'-oxybis[1-chloropropane]	ND		91	58	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4,5-Trichlorophenol	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4,6-Trichlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4-Dichlorophenol	ND		91	25	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4-Dimethylphenol	**460**	**J**	480	280	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4-Dinitrophenol	ND		4800	1600	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,4-Dinitrotoluene	ND		480	170	ug/L		05/19/26 22:25	05/21/26 20:33	500
2,6-Dinitrotoluene	ND		480	83	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Chloronaphthalene	ND		91	28	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Chlorophenol	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Methylnaphthalene	**190**		91	30	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Methylphenol	**750**		480	270	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Nitroaniline	ND		2400	260	ug/L		05/19/26 22:25	05/21/26 20:33	500
2-Nitrophenol	ND		480	93	ug/L		05/19/26 22:25	05/21/26 20:33	500
3,3'-Dichlorobenzidine	ND		480	280	ug/L		05/19/26 22:25	05/21/26 20:33	500
3-Nitroaniline	ND		2400	210	ug/L		05/19/26 22:25	05/21/26 20:33	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26D
Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		2400	710	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Bromophenyl phenyl ether	ND		480	150	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Chloro-3-methylphenol	ND		480	210	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Chloroaniline	ND	*- *1	480	180	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Chlorophenyl phenyl ether	ND		480	110	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Nitroaniline	ND		2400	170	ug/L		05/19/26 22:25	05/21/26 20:33	500
4-Nitrophenol	ND		2400	450	ug/L		05/19/26 22:25	05/21/26 20:33	500
Acenaphthene	ND		91	31	ug/L		05/19/26 22:25	05/21/26 20:33	500
Acenaphthylene	ND		91	31	ug/L		05/19/26 22:25	05/21/26 20:33	500
Acetophenone	ND		480	76	ug/L		05/19/26 22:25	05/21/26 20:33	500
Anthracene	ND		91	24	ug/L		05/19/26 22:25	05/21/26 20:33	500
Atrazine	ND		480	140	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzaldehyde	ND		480	260	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzo[a]anthracene	ND		91	36	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzo[a]pyrene	ND		91	62	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzo[b]fluoranthene	ND		91	47	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzo[g,h,i]perylene	ND		91	33	ug/L		05/19/26 22:25	05/21/26 20:33	500
Benzo[k]fluoranthene	ND		91	42	ug/L		05/19/26 22:25	05/21/26 20:33	500
Bis(2-chloroethoxy)methane	ND		480	73	ug/L		05/19/26 22:25	05/21/26 20:33	500
Bis(2-chloroethyl)ether	ND		91	67	ug/L		05/19/26 22:25	05/21/26 20:33	500
Bis(2-ethylhexyl) phthalate	ND		4800	1000	ug/L		05/19/26 22:25	05/21/26 20:33	500
Butyl benzyl phthalate	ND		960	450	ug/L		05/19/26 22:25	05/21/26 20:33	500
Caprolactam	ND		2400	330	ug/L		05/19/26 22:25	05/21/26 20:33	500
Carbazole	**180**		91	25	ug/L		05/19/26 22:25	05/21/26 20:33	500
Chrysene	ND		91	39	ug/L		05/19/26 22:25	05/21/26 20:33	500
Dibenz(a,h)anthracene	ND		91	35	ug/L		05/19/26 22:25	05/21/26 20:33	500
Dibenzofuran	ND		480	91	ug/L		05/19/26 22:25	05/21/26 20:33	500
Diethyl phthalate	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:33	500
Dimethyl phthalate	ND		960	96	ug/L		05/19/26 22:25	05/21/26 20:33	500
Di-n-butyl phthalate	ND		480	180	ug/L		05/19/26 22:25	05/21/26 20:33	500
Di-n-octyl phthalate	ND		480	330	ug/L		05/19/26 22:25	05/21/26 20:33	500
Fluoranthene	ND		91	29	ug/L		05/19/26 22:25	05/21/26 20:33	500
Fluorene	**49**	**J**	91	33	ug/L		05/19/26 22:25	05/21/26 20:33	500
Hexachlorobenzene	ND		91	27	ug/L		05/19/26 22:25	05/21/26 20:33	500
Hexachlorobutadiene	ND		91	75	ug/L		05/19/26 22:25	05/21/26 20:33	500
Hexachlorocyclopentadiene	ND		480	240	ug/L		05/19/26 22:25	05/21/26 20:33	500
Hexachloroethane	ND		480	150	ug/L		05/19/26 22:25	05/21/26 20:33	500
Indeno[1,2,3-cd]pyrene	ND		91	41	ug/L		05/19/26 22:25	05/21/26 20:33	500
Isophorone	ND		480	90	ug/L		05/19/26 22:25	05/21/26 20:33	500
Methylphenol, 3 & 4	ND		480	180	ug/L		05/19/26 22:25	05/21/26 20:33	500
Naphthalene	**5500**		91	28	ug/L		05/19/26 22:25	05/21/26 20:33	500
Nitrobenzene	ND		960	240	ug/L		05/19/26 22:25	05/21/26 20:33	500
N-Nitrosodi-n-propylamine	ND		91	34	ug/L		05/19/26 22:25	05/21/26 20:33	500
N-Nitrosodiphenylamine	ND		480	120	ug/L		05/19/26 22:25	05/21/26 20:33	500
Pentachlorophenol	ND		2400	410	ug/L		05/19/26 22:25	05/21/26 20:33	500
Phenanthrene	ND		91	75	ug/L		05/19/26 22:25	05/21/26 20:33	500
Phenol	ND		480	230	ug/L		05/19/26 22:25	05/21/26 20:33	500
Pyrene	ND		91	53	ug/L		05/19/26 22:25	05/21/26 20:33	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: MW-26D

Date Collected: 05/18/26 15:30
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/19/26 22:25*	*05/21/26 20:33*	*500*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 20:33*	*500*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/19/26 22:25*	*05/21/26 20:33*	*500*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/19/26 22:25*	*05/21/26 20:33*	*500*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/19/26 22:25*	*05/21/26 20:33*	*500*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/19/26 22:25*	*05/21/26 20:33*	*500*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		7.50	3.00	mg/L			05/28/26 05:51	5
Sulfate	**417**		75.0	25.0	mg/L			05/28/26 06:03	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.110	0.0500	mg/L			05/23/26 22:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 372.072**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**40**		0.85	0.05	NTU			05/19/26 16:06	1
Total Dissolved Solids (SM 2540C)	**990**		10	10	mg/L			05/22/26 17:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**380**		5.0	5.0	mg/L			05/26/26 15:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.5**	**HF**	0.1	0.1	SU			05/22/26 17:16	1
Specific Conductance (SM 2510B)	**1600**		1.0	1.0	umhos/cm			05/19/26 14:32	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: TB-6

Date Collected: 05/18/26 00:00
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/30/26 02:08	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/30/26 02:08	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/30/26 02:08	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/30/26 02:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/30/26 02:08	1
1,2-Dibromo-3-Chloropropane	ND	^c	0.50	0.25	ug/L			05/30/26 02:08	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/30/26 02:08	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 02:08	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/30/26 02:08	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 02:08	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 02:08	1
2-Butanone	ND		5.0	2.5	ug/L			05/30/26 02:08	1
2-Hexanone	ND		5.0	2.0	ug/L			05/30/26 02:08	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/30/26 02:08	1
Acetone	**6.7**		5.0	1.5	ug/L			05/30/26 02:08	1
Benzene	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Bromoform	ND		1.0	0.30	ug/L			05/30/26 02:08	1
Bromomethane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/30/26 02:08	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/30/26 02:08	1
Chloroethane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Chloroform	ND		0.50	0.090	ug/L			05/30/26 02:08	1
Chloromethane	ND		0.50	0.22	ug/L			05/30/26 02:08	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/30/26 02:08	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Cyclohexane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/30/26 02:08	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Freon 113	ND		0.50	0.17	ug/L			05/30/26 02:08	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/30/26 02:08	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Methylene Chloride	**0.78**		0.50	0.20	ug/L			05/30/26 02:08	1
Styrene	ND		0.50	0.070	ug/L			05/30/26 02:08	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/30/26 02:08	1
Toluene	ND		0.50	0.080	ug/L			05/30/26 02:08	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/30/26 02:08	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/30/26 02:08	1
Trichloroethene	ND		0.50	0.080	ug/L			05/30/26 02:08	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/30/26 02:08	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/30/26 02:08	1
Xylene (total)	ND		1.0	0.070	ug/L			05/30/26 02:08	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205550-1

Client Sample ID: TB-6
Date Collected: 05/18/26 00:00
Date Received: 05/19/26 09:45

Lab Sample ID: 180-205550-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/30/26 02:08	1
4-Bromofluorobenzene (Surr)	108		80 - 120		05/30/26 02:08	1
Dibromofluoromethane (Surr)	98		80 - 120		05/30/26 02:08	1
Toluene-d8 (Surr)	110		80 - 120		05/30/26 02:08	1

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

Lab Sample ID: MB 410-826443/8
Matrix: Water
Analysis Batch: 826443

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		0.50	0.080	ug/L			05/29/26 21:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 21:22	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 21:22	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 21:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 21:22	1
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 21:22	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 21:22	1
Acetone	ND		5.0	1.5	ug/L			05/29/26 21:22	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 21:22	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/29/26 21:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 21:22	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 21:22	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 21:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 21:22	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 21:22	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 21:22	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 21:22	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 21:22	1

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

Lab Sample ID: MB 410-826443/8
Matrix: Water
Analysis Batch: 826443

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/29/26 21:22*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*05/29/26 21:22*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/29/26 21:22*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*05/29/26 21:22*	*1*

Lab Sample ID: LCS 410-826443/5
Matrix: Water
Analysis Batch: 826443

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	5.00	4.69		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.20		ug/L		124	75 - 130
1,1,2-Trichloroethane	5.00	5.60		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.52		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	4.85		ug/L		97	80 - 131
1,2,4-Trichlorobenzene	5.00	4.82		ug/L		96	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.32		ug/L		106	60 - 124
1,2-Dibromoethane	5.00	5.36		ug/L		107	80 - 120
1,2-Dichlorobenzene	5.00	5.05		ug/L		101	80 - 120
1,2-Dichloroethane	5.00	5.47		ug/L		109	79 - 128
1,2-Dichloropropane	5.00	5.55		ug/L		111	80 - 129
1,3-Dichlorobenzene	5.00	5.00		ug/L		100	80 - 120
1,4-Dichlorobenzene	5.00	4.93		ug/L		99	80 - 120
2-Butanone	62.5	65.7		ug/L		105	67 - 141
2-Hexanone	62.5	69.0		ug/L		110	62 - 151
4-Methyl-2-pentanone	62.5	70.1		ug/L		112	63 - 140
Acetone	62.5	61.9		ug/L		99	60 - 146
Benzene	5.00	4.86		ug/L		97	80 - 120
Bromodichloromethane	5.00	4.90		ug/L		98	80 - 123
Bromoform	5.00	4.41		ug/L		88	67 - 134
Bromomethane	5.00	4.06		ug/L		81	63 - 126
Carbon disulfide	5.00	4.70		ug/L		94	67 - 130
Carbon tetrachloride	5.00	4.46		ug/L		89	77 - 132
Chlorobenzene	5.00	5.03		ug/L		101	80 - 120
Chloroethane	5.00	4.43		ug/L		89	63 - 132
Chloroform	5.00	4.39		ug/L		88	80 - 120
Chloromethane	5.00	4.44		ug/L		89	56 - 131
cis-1,2-Dichloroethene	5.00	4.80		ug/L		96	80 - 122
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	75 - 121
Cyclohexane	5.00	5.45		ug/L		109	69 - 120
Dibromochloromethane	5.00	4.77		ug/L		95	80 - 123
Dichlorodifluoromethane	5.00	3.93		ug/L		79	43 - 137
Ethylbenzene	5.00	5.25		ug/L		105	80 - 120
Freon 113	5.00	4.76		ug/L		95	61 - 124
Isopropylbenzene	5.00	5.17		ug/L		103	87 - 133
Methyl acetate	5.00	6.76		ug/L		135	45 - 143
Methyl tertiary butyl ether	5.00	5.10		ug/L		102	69 - 120
Methylcyclohexane	5.00	5.02		ug/L		100	69 - 126

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

Lab Sample ID: LCS 410-826443/5
Matrix: Water
Analysis Batch: 826443

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			5.00	5.83		ug/L		117	80 - 120		
Styrene			5.00	5.07		ug/L		101	80 - 120		
Tetrachloroethene			5.00	4.26		ug/L		85	80 - 120		
Toluene			5.00	5.12		ug/L		102	80 - 120		
trans-1,2-Dichloroethene			5.00	4.61		ug/L		92	80 - 122		
trans-1,3-Dichloropropene			5.00	5.84		ug/L		117	76 - 123		
Trichloroethene			5.00	4.61		ug/L		92	80 - 120		
Trichlorofluoromethane			5.00	3.04		ug/L		61	53 - 136		
Vinyl chloride			5.00	4.45		ug/L		89	60 - 125		
Xylene (total)			15.0	15.0		ug/L		100	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: LCSD 410-826443/6
Matrix: Water
Analysis Batch: 826443

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.65		ug/L		93	78 - 126	1	30
1,1,2,2-Tetrachloroethane			5.00	6.21		ug/L		124	75 - 130	0	30
1,1,2-Trichloroethane			5.00	5.63		ug/L		113	80 - 120	1	30
1,1-Dichloroethane			5.00	5.50		ug/L		110	80 - 128	0	30
1,1-Dichloroethene			5.00	4.77		ug/L		95	80 - 131	2	30
1,2,4-Trichlorobenzene			5.00	4.72		ug/L		94	68 - 122	2	30
1,2-Dibromo-3-Chloropropane			5.00	5.38		ug/L		108	60 - 124	1	30
1,2-Dibromoethane			5.00	5.39		ug/L		108	80 - 120	1	30
1,2-Dichlorobenzene			5.00	5.07		ug/L		101	80 - 120	0	30
1,2-Dichloroethane			5.00	5.49		ug/L		110	79 - 128	0	30
1,2-Dichloropropane			5.00	5.48		ug/L		110	80 - 129	1	30
1,3-Dichlorobenzene			5.00	4.97		ug/L		99	80 - 120	1	30
1,4-Dichlorobenzene			5.00	4.94		ug/L		99	80 - 120	0	30
2-Butanone			62.5	64.9		ug/L		104	67 - 141	1	30
2-Hexanone			62.5	69.2		ug/L		111	62 - 151	0	30
4-Methyl-2-pentanone			62.5	70.1		ug/L		112	63 - 140	0	30
Acetone			62.5	62.2		ug/L		99	60 - 146	0	30
Benzene			5.00	4.85		ug/L		97	80 - 120	0	30
Bromodichloromethane			5.00	4.91		ug/L		98	80 - 123	0	30
Bromoform			5.00	4.44		ug/L		89	67 - 134	1	30
Bromomethane			5.00	4.08		ug/L		82	63 - 126	0	30
Carbon disulfide			5.00	4.67		ug/L		93	67 - 130	1	30
Carbon tetrachloride			5.00	4.47		ug/L		89	77 - 132	0	30
Chlorobenzene			5.00	4.98		ug/L		100	80 - 120	1	30
Chloroethane			5.00	4.40		ug/L		88	63 - 132	1	30
Chloroform			5.00	4.37		ug/L		87	80 - 120	0	30

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

Lab Sample ID: LCSD 410-826443/6
Matrix: Water
Analysis Batch: 826443

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			5.00	4.46		ug/L		89	56 - 131	0	30
cis-1,2-Dichloroethene			5.00	4.72		ug/L		94	80 - 122	2	30
cis-1,3-Dichloropropene			5.00	4.98		ug/L		100	75 - 121	0	30
Cyclohexane			5.00	5.42		ug/L		108	69 - 120	1	30
Dibromochloromethane			5.00	4.78		ug/L		96	80 - 123	0	30
Dichlorodifluoromethane			5.00	4.14		ug/L		83	43 - 137	5	30
Ethylbenzene			5.00	5.28		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.69		ug/L		94	61 - 124	1	30
Isopropylbenzene			5.00	5.15		ug/L		103	87 - 133	0	30
Methyl acetate			5.00	6.83		ug/L		137	45 - 143	1	30
Methyl tertiary butyl ether			5.00	5.17		ug/L		103	69 - 120	1	30
Methylcyclohexane			5.00	4.97		ug/L		99	69 - 126	1	30
Methylene Chloride			5.00	5.78		ug/L		116	80 - 120	1	30
Styrene			5.00	5.08		ug/L		102	80 - 120	0	30
Tetrachloroethene			5.00	4.32		ug/L		86	80 - 120	2	30
Toluene			5.00	5.14		ug/L		103	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	4.70		ug/L		94	80 - 122	2	30
trans-1,3-Dichloropropene			5.00	5.96		ug/L		119	76 - 123	2	30
Trichloroethene			5.00	4.69		ug/L		94	80 - 120	2	30
Trichlorofluoromethane			5.00	3.00		ug/L		60	53 - 136	1	30
Vinyl chloride			5.00	4.38		ug/L		88	60 - 125	2	30
Xylene (total)			15.0	15.0		ug/L		100	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 120*

Lab Sample ID: MB 410-826707/7
Matrix: Water
Analysis Batch: 826707

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		0.50	0.080	ug/L			05/30/26 20:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/30/26 20:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/30/26 20:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/30/26 20:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/30/26 20:23	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/30/26 20:23	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 20:23	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/30/26 20:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 20:23	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/30/26 20:23	1
2-Butanone	ND		5.0	2.5	ug/L			05/30/26 20:23	1

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

Lab Sample ID: MB 410-826707/7
Matrix: Water
Analysis Batch: 826707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	2.0	ug/L			05/30/26 20:23	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/30/26 20:23	1
Acetone	ND		5.0	1.5	ug/L			05/30/26 20:23	1
Benzene	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Bromoform	ND		1.0	0.30	ug/L			05/30/26 20:23	1
Bromomethane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/30/26 20:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/30/26 20:23	1
Chloroethane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Chloroform	ND		0.50	0.090	ug/L			05/30/26 20:23	1
Chloromethane	ND		0.50	0.22	ug/L			05/30/26 20:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Cyclohexane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/30/26 20:23	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Freon 113	ND		0.50	0.17	ug/L			05/30/26 20:23	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Methyl acetate	ND		1.0	0.20	ug/L			05/30/26 20:23	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/30/26 20:23	1
Styrene	ND		0.50	0.070	ug/L			05/30/26 20:23	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/30/26 20:23	1
Toluene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/30/26 20:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Trichloroethene	ND		0.50	0.080	ug/L			05/30/26 20:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/30/26 20:23	1
Xylene (total)	ND		1.0	0.070	ug/L			05/30/26 20:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/30/26 20:23*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*05/30/26 20:23*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/30/26 20:23*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*05/30/26 20:23*	*1*

Lab Sample ID: LCS 410-826707/4
Matrix: Water
Analysis Batch: 826707

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	5.00	4.60		ug/L		92	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.33		ug/L		127	75 - 130

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

Lab Sample ID: LCS 410-826707/4
Matrix: Water
Analysis Batch: 826707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.50		ug/L		110	80 - 120
1,1-Dichloroethane	5.00	5.49		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	4.61		ug/L		92	80 - 131
1,2,4-Trichlorobenzene	5.00	4.72		ug/L		94	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.22		ug/L		104	60 - 124
1,2-Dibromoethane	5.00	5.24		ug/L		105	80 - 120
1,2-Dichlorobenzene	5.00	4.98		ug/L		100	80 - 120
1,2-Dichloroethane	5.00	5.51		ug/L		110	79 - 128
1,2-Dichloropropane	5.00	5.48		ug/L		110	80 - 129
1,3-Dichlorobenzene	5.00	4.92		ug/L		98	80 - 120
1,4-Dichlorobenzene	5.00	4.87		ug/L		97	80 - 120
2-Butanone	62.5	75.5		ug/L		121	67 - 141
2-Hexanone	62.5	73.9		ug/L		118	62 - 151
4-Methyl-2-pentanone	62.5	75.4		ug/L		121	63 - 140
Acetone	62.5	67.7		ug/L		108	60 - 146
Benzene	5.00	4.83		ug/L		97	80 - 120
Bromodichloromethane	5.00	4.81		ug/L		96	80 - 123
Bromoform	5.00	4.26		ug/L		85	67 - 134
Bromomethane	5.00	4.11		ug/L		82	63 - 126
Carbon disulfide	5.00	4.76		ug/L		95	67 - 130
Carbon tetrachloride	5.00	4.38		ug/L		88	77 - 132
Chlorobenzene	5.00	4.95		ug/L		99	80 - 120
Chloroethane	5.00	4.60		ug/L		92	63 - 132
Chloroform	5.00	4.33		ug/L		87	80 - 120
Chloromethane	5.00	4.77		ug/L		95	56 - 131
cis-1,2-Dichloroethene	5.00	4.72		ug/L		94	80 - 122
cis-1,3-Dichloropropene	5.00	4.96		ug/L		99	75 - 121
Cyclohexane	5.00	5.51		ug/L		110	69 - 120
Dibromochloromethane	5.00	4.62		ug/L		92	80 - 123
Dichlorodifluoromethane	5.00	4.26		ug/L		85	43 - 137
Ethylbenzene	5.00	5.24		ug/L		105	80 - 120
Freon 113	5.00	4.63		ug/L		93	61 - 124
Isopropylbenzene	5.00	5.12		ug/L		102	87 - 133
Methyl acetate	5.00	6.76		ug/L		135	45 - 143
Methyl tertiary butyl ether	5.00	5.05		ug/L		101	69 - 120
Methylcyclohexane	5.00	4.98		ug/L		100	69 - 126
Methylene Chloride	5.00	5.73		ug/L		115	80 - 120
Styrene	5.00	4.95		ug/L		99	80 - 120
Tetrachloroethene	5.00	4.17		ug/L		83	80 - 120
Toluene	5.00	5.12		ug/L		102	80 - 120
trans-1,2-Dichloroethene	5.00	4.59		ug/L		92	80 - 122
trans-1,3-Dichloropropene	5.00	5.87		ug/L		117	76 - 123
Trichloroethene	5.00	4.55		ug/L		91	80 - 120
Trichlorofluoromethane	5.00	3.17		ug/L		63	53 - 136
Vinyl chloride	5.00	4.77		ug/L		95	60 - 125
Xylene (total)	15.0	14.8		ug/L		99	80 - 120

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

Lab Sample ID: LCS 410-826707/4
Matrix: Water
Analysis Batch: 826707

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	111		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	112		80 - 120

Lab Sample ID: LCSD 410-826707/5
Matrix: Water
Analysis Batch: 826707

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.54		ug/L		91	78 - 126	1	30
1,1,2,2-Tetrachloroethane			5.00	6.25		ug/L		125	75 - 130	1	30
1,1,2-Trichloroethane			5.00	5.47		ug/L		109	80 - 120	0	30
1,1-Dichloroethane			5.00	5.45		ug/L		109	80 - 128	1	30
1,1-Dichloroethene			5.00	4.56		ug/L		91	80 - 131	1	30
1,2,4-Trichlorobenzene			5.00	4.54		ug/L		91	68 - 122	4	30
1,2-Dibromo-3-Chloropropane			5.00	5.07		ug/L		101	60 - 124	3	30
1,2-Dibromoethane			5.00	5.19		ug/L		104	80 - 120	1	30
1,2-Dichlorobenzene			5.00	4.97		ug/L		99	80 - 120	0	30
1,2-Dichloroethane			5.00	5.46		ug/L		109	79 - 128	1	30
1,2-Dichloropropane			5.00	5.41		ug/L		108	80 - 129	1	30
1,3-Dichlorobenzene			5.00	4.89		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene			5.00	4.83		ug/L		97	80 - 120	1	30
2-Butanone			62.5	70.3		ug/L		112	67 - 141	7	30
2-Hexanone			62.5	69.6		ug/L		111	62 - 151	6	30
4-Methyl-2-pentanone			62.5	70.8		ug/L		113	63 - 140	6	30
Acetone			62.5	63.6		ug/L		102	60 - 146	6	30
Benzene			5.00	4.83		ug/L		97	80 - 120	0	30
Bromodichloromethane			5.00	4.77		ug/L		95	80 - 123	1	30
Bromoform			5.00	4.22		ug/L		84	67 - 134	1	30
Bromomethane			5.00	4.08		ug/L		82	63 - 126	1	30
Carbon disulfide			5.00	4.58		ug/L		92	67 - 130	4	30
Carbon tetrachloride			5.00	4.28		ug/L		86	77 - 132	2	30
Chlorobenzene			5.00	4.82		ug/L		96	80 - 120	3	30
Chloroethane			5.00	4.50		ug/L		90	63 - 132	2	30
Chloroform			5.00	4.27		ug/L		85	80 - 120	1	30
Chloromethane			5.00	4.53		ug/L		91	56 - 131	5	30
cis-1,2-Dichloroethene			5.00	4.75		ug/L		95	80 - 122	1	30
cis-1,3-Dichloropropene			5.00	4.79		ug/L		96	75 - 121	4	30
Cyclohexane			5.00	5.39		ug/L		108	69 - 120	2	30
Dibromochloromethane			5.00	4.53		ug/L		91	80 - 123	2	30
Dichlorodifluoromethane			5.00	4.04		ug/L		81	43 - 137	5	30
Ethylbenzene			5.00	5.16		ug/L		103	80 - 120	2	30
Freon 113			5.00	4.54		ug/L		91	61 - 124	2	30
Isopropylbenzene			5.00	5.02		ug/L		100	87 - 133	2	30
Methyl acetate			5.00	5.34		ug/L		107	45 - 143	23	30
Methyl tertiary butyl ether			5.00	4.90		ug/L		98	69 - 120	3	30
Methylcyclohexane			5.00	4.73		ug/L		95	69 - 126	5	30

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

Lab Sample ID: LCSD 410-826707/5
Matrix: Water
Analysis Batch: 826707

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride			5.00	5.61		ug/L		112	80 - 120	2	30
Styrene			5.00	4.88		ug/L		98	80 - 120	1	30
Tetrachloroethene			5.00	4.01		ug/L		80	80 - 120	4	30
Toluene			5.00	5.08		ug/L		102	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	4.50		ug/L		90	80 - 122	2	30
trans-1,3-Dichloropropene			5.00	5.72		ug/L		114	76 - 123	3	30
Trichloroethene			5.00	4.54		ug/L		91	80 - 120	0	30
Trichlorofluoromethane			5.00	3.10		ug/L		62	53 - 136	2	30
Vinyl chloride			5.00	4.67		ug/L		93	60 - 125	2	30
Xylene (total)			15.0	14.5		ug/L		97	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 120*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-514007/1-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/19/26 22:25	05/21/26 11:27	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/19/26 22:25	05/21/26 11:27	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/19/26 22:25	05/21/26 11:27	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/19/26 22:25	05/21/26 11:27	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/19/26 22:25	05/21/26 11:27	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/19/26 22:25	05/21/26 11:27	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/19/26 22:25	05/21/26 11:27	1
Acenaphthene	ND		0.19	0.065	ug/L		05/19/26 22:25	05/21/26 11:27	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-514007/1-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.19	0.065	ug/L		05/19/26 22:25	05/21/26 11:27	1
Acetophenone	ND		1.0	0.16	ug/L		05/19/26 22:25	05/21/26 11:27	1
Anthracene	ND		0.19	0.049	ug/L		05/19/26 22:25	05/21/26 11:27	1
Atrazine	ND		1.0	0.30	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/19/26 22:25	05/21/26 11:27	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/19/26 22:25	05/21/26 11:27	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/19/26 22:25	05/21/26 11:27	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/19/26 22:25	05/21/26 11:27	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/19/26 22:25	05/21/26 11:27	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/19/26 22:25	05/21/26 11:27	1
Caprolactam	ND		5.0	0.68	ug/L		05/19/26 22:25	05/21/26 11:27	1
Carbazole	ND		0.19	0.051	ug/L		05/19/26 22:25	05/21/26 11:27	1
Chrysene	ND		0.19	0.081	ug/L		05/19/26 22:25	05/21/26 11:27	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/19/26 22:25	05/21/26 11:27	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/19/26 22:25	05/21/26 11:27	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/19/26 22:25	05/21/26 11:27	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/19/26 22:25	05/21/26 11:27	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/19/26 22:25	05/21/26 11:27	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/19/26 22:25	05/21/26 11:27	1
Fluoranthene	ND		0.19	0.060	ug/L		05/19/26 22:25	05/21/26 11:27	1
Fluorene	ND		0.19	0.069	ug/L		05/19/26 22:25	05/21/26 11:27	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/19/26 22:25	05/21/26 11:27	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/19/26 22:25	05/21/26 11:27	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/19/26 22:25	05/21/26 11:27	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/19/26 22:25	05/21/26 11:27	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/19/26 22:25	05/21/26 11:27	1
Isophorone	ND		1.0	0.19	ug/L		05/19/26 22:25	05/21/26 11:27	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/19/26 22:25	05/21/26 11:27	1
Naphthalene	ND		0.19	0.059	ug/L		05/19/26 22:25	05/21/26 11:27	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/19/26 22:25	05/21/26 11:27	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/19/26 22:25	05/21/26 11:27	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/19/26 22:25	05/21/26 11:27	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/19/26 22:25	05/21/26 11:27	1
Phenanthrene	ND		0.19	0.16	ug/L		05/19/26 22:25	05/21/26 11:27	1
Phenol	ND		1.0	0.49	ug/L		05/19/26 22:25	05/21/26 11:27	1
Pyrene	ND		0.19	0.11	ug/L		05/19/26 22:25	05/21/26 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*23 - 128*	*05/19/26 22:25*	*05/21/26 11:27*	*1*
2-Fluorobiphenyl	*75*		*20 - 105*	*05/19/26 22:25*	*05/21/26 11:27*	*1*
2-Fluorophenol (Surr)	*74*		*20 - 105*	*05/19/26 22:25*	*05/21/26 11:27*	*1*
Nitrobenzene-d5 (Surr)	*73*		*20 - 107*	*05/19/26 22:25*	*05/21/26 11:27*	*1*
Phenol-d5 (Surr)	*71*		*20 - 106*	*05/19/26 22:25*	*05/21/26 11:27*	*1*
Terphenyl-d14 (Surr)	*73*		*22 - 120*	*05/19/26 22:25*	*05/21/26 11:27*	*1*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-514007/2-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	14.2		ug/L		71	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	12.4		ug/L		62	29 - 102
2,4,5-Trichlorophenol	20.0	15.1		ug/L		75	55 - 100
2,4,6-Trichlorophenol	20.0	14.4		ug/L		72	54 - 100
2,4-Dichlorophenol	20.0	14.2		ug/L		71	55 - 100
2,4-Dimethylphenol	20.0	13.5		ug/L		67	51 - 100
2,4-Dinitrophenol	40.0	27.7		ug/L		69	32 - 100
2,4-Dinitrotoluene	20.0	15.5		ug/L		78	56 - 100
2,6-Dinitrotoluene	20.0	14.6		ug/L		73	56 - 101
2-Chloronaphthalene	20.0	14.2		ug/L		71	52 - 100
2-Chlorophenol	20.0	14.3		ug/L		72	53 - 100
2-Methylnaphthalene	20.0	13.7		ug/L		68	53 - 100
2-Methylphenol	20.0	14.1		ug/L		71	51 - 100
2-Nitroaniline	20.0	14.5		ug/L		72	47 - 104
2-Nitrophenol	20.0	15.1		ug/L		76	56 - 100
3,3'-Dichlorobenzidine	20.0	14.5		ug/L		73	42 - 100
3-Nitroaniline	20.0	12.0		ug/L		60	54 - 100
4,6-Dinitro-2-methylphenol	40.0	30.6		ug/L		76	48 - 100
4-Bromophenyl phenyl ether	20.0	14.9		ug/L		74	50 - 100
4-Chloro-3-methylphenol	20.0	13.4		ug/L		67	47 - 105
4-Chloroaniline	20.0	5.71	*-	ug/L		29	48 - 100
4-Chlorophenyl phenyl ether	20.0	14.2		ug/L		71	52 - 100
4-Nitroaniline	20.0	13.5		ug/L		68	54 - 100
4-Nitrophenol	40.0	29.7		ug/L		74	37 - 120
Acenaphthene	20.0	13.6		ug/L		68	51 - 100
Acenaphthylene	20.0	13.4		ug/L		67	54 - 100
Acetophenone	20.0	13.8		ug/L		69	46 - 100
Anthracene	20.0	14.2		ug/L		71	54 - 100
Atrazine	20.0	15.3		ug/L		77	50 - 100
Benzaldehyde	20.0	8.55		ug/L		43	25 - 114
Benzo[a]anthracene	20.0	13.3		ug/L		67	52 - 100
Benzo[a]pyrene	20.0	12.5		ug/L		62	52 - 100
Benzo[b]fluoranthene	20.0	13.0		ug/L		65	50 - 100
Benzo[g,h,i]perylene	20.0	13.3		ug/L		67	53 - 100
Benzo[k]fluoranthene	20.0	12.4		ug/L		62	49 - 100
Bis(2-chloroethoxy)methane	20.0	11.7		ug/L		59	49 - 100
Bis(2-chloroethyl)ether	20.0	15.1		ug/L		76	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	13.4		ug/L		67	52 - 101
Butyl benzyl phthalate	20.0	13.3		ug/L		66	52 - 100
Caprolactam	20.0	13.4		ug/L		67	46 - 111
Carbazole	20.0	14.1		ug/L		70	55 - 100
Chrysene	20.0	13.0		ug/L		65	51 - 100
Dibenz(a,h)anthracene	20.0	14.6		ug/L		73	52 - 101
Dibenzofuran	20.0	13.8		ug/L		69	53 - 100
Diethyl phthalate	20.0	14.0		ug/L		70	52 - 100
Dimethyl phthalate	20.0	14.0		ug/L		70	55 - 100
Di-n-butyl phthalate	20.0	14.6		ug/L		73	57 - 100
Di-n-octyl phthalate	20.0	12.7		ug/L		64	41 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-514007/2-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514007

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoranthene			20.0	14.3		ug/L		71	56 - 100		
Fluorene			20.0	13.8		ug/L		69	53 - 100		
Hexachlorobenzene			20.0	15.1		ug/L		75	46 - 100		
Hexachlorobutadiene			20.0	14.8		ug/L		74	42 - 101		
Hexachlorocyclopentadiene			20.0	13.9		ug/L		69	38 - 102		
Hexachloroethane			20.0	14.4		ug/L		72	46 - 100		
Indeno[1,2,3-cd]pyrene			20.0	14.5		ug/L		73	54 - 100		
Isophorone			20.0	13.1		ug/L		66	50 - 100		
Methylphenol, 3 & 4			20.0	13.5		ug/L		68	51 - 100		
Naphthalene			20.0	13.6		ug/L		68	53 - 100		
Nitrobenzene			20.0	13.7		ug/L		68	47 - 100		
N-Nitrosodi-n-propylamine			20.0	14.0		ug/L		70	43 - 103		
N-Nitrosodiphenylamine			20.0	14.3		ug/L		72	53 - 100		
Pentachlorophenol			40.0	26.5		ug/L		66	35 - 102		
Phenanthrene			20.0	14.0		ug/L		70	53 - 100		
Phenol			20.0	12.4		ug/L		62	49 - 100		
Pyrene			20.0	13.1		ug/L		65	53 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*23 - 128*
2-Fluorobiphenyl	*72*		*20 - 105*
2-Fluorophenol (Surr)	*73*		*20 - 105*
Nitrobenzene-d5 (Surr)	*71*		*20 - 107*
Phenol-d5 (Surr)	*68*		*20 - 106*
Terphenyl-d14 (Surr)	*69*		*22 - 120*

Lab Sample ID: LCSD 180-514007/3-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514007

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			20.0	15.2		ug/L		76	51 - 100	7	16
2,2'-oxybis[1-chloropropane]			20.0	12.5		ug/L		62	29 - 102	0	16
2,4,5-Trichlorophenol			20.0	16.0		ug/L		80	55 - 100	6	18
2,4,6-Trichlorophenol			20.0	15.8		ug/L		79	54 - 100	9	16
2,4-Dichlorophenol			20.0	15.4		ug/L		77	55 - 100	8	15
2,4-Dimethylphenol			20.0	14.8		ug/L		74	51 - 100	9	16
2,4-Dinitrophenol			40.0	29.2		ug/L		73	32 - 100	5	19
2,4-Dinitrotoluene			20.0	16.8		ug/L		84	56 - 100	8	16
2,6-Dinitrotoluene			20.0	15.5		ug/L		78	56 - 101	6	16
2-Chloronaphthalene			20.0	15.3		ug/L		77	52 - 100	8	15
2-Chlorophenol			20.0	15.1		ug/L		75	53 - 100	5	17
2-Methylnaphthalene			20.0	14.8		ug/L		74	53 - 100	8	15
2-Methylphenol			20.0	14.4		ug/L		72	51 - 100	2	16
2-Nitroaniline			20.0	14.9		ug/L		74	47 - 104	3	18
2-Nitrophenol			20.0	16.3		ug/L		81	56 - 100	8	15
3,3'-Dichlorobenzidine			20.0	15.7		ug/L		79	42 - 100	8	15
3-Nitroaniline			20.0	13.1		ug/L		66	54 - 100	9	15

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-514007/3-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	40.0	32.7		ug/L		82	48 - 100	7	15
4-Bromophenyl phenyl ether	20.0	15.8		ug/L		79	50 - 100	6	15
4-Chloro-3-methylphenol	20.0	14.3		ug/L		72	47 - 105	7	18
4-Chloroaniline	20.0	7.61	*- *1	ug/L		38	48 - 100	29	15
4-Chlorophenyl phenyl ether	20.0	15.4		ug/L		77	52 - 100	8	16
4-Nitroaniline	20.0	14.5		ug/L		72	54 - 100	7	16
4-Nitrophenol	40.0	31.4		ug/L		79	37 - 120	6	18
Acenaphthene	20.0	14.5		ug/L		73	51 - 100	7	15
Acenaphthylene	20.0	14.5		ug/L		73	54 - 100	8	16
Acetophenone	20.0	14.5		ug/L		72	46 - 100	4	16
Anthracene	20.0	15.1		ug/L		76	54 - 100	6	15
Atrazine	20.0	16.0		ug/L		80	50 - 100	4	15
Benzaldehyde	20.0	9.00		ug/L		45	25 - 114	5	16
Benzo[a]anthracene	20.0	14.4		ug/L		72	52 - 100	8	15
Benzo[a]pyrene	20.0	13.9		ug/L		69	52 - 100	11	16
Benzo[b]fluoranthene	20.0	14.2		ug/L		71	50 - 100	8	15
Benzo[g,h,i]perylene	20.0	13.7		ug/L		69	53 - 100	3	15
Benzo[k]fluoranthene	20.0	13.2		ug/L		66	49 - 100	6	20
Bis(2-chloroethoxy)methane	20.0	12.6		ug/L		63	49 - 100	8	15
Bis(2-chloroethyl)ether	20.0	16.0		ug/L		80	46 - 100	5	17
Bis(2-ethylhexyl) phthalate	20.0	14.1		ug/L		71	52 - 101	5	15
Butyl benzyl phthalate	20.0	14.1		ug/L		70	52 - 100	6	15
Caprolactam	20.0	14.5		ug/L		72	46 - 111	8	16
Carbazole	20.0	15.1		ug/L		75	55 - 100	7	16
Chrysene	20.0	14.3		ug/L		72	51 - 100	10	15
Dibenz(a,h)anthracene	20.0	15.1		ug/L		75	52 - 101	4	15
Dibenzofuran	20.0	14.7		ug/L		74	53 - 100	6	16
Diethyl phthalate	20.0	15.0		ug/L		75	52 - 100	7	15
Dimethyl phthalate	20.0	14.9		ug/L		74	55 - 100	6	15
Di-n-butyl phthalate	20.0	15.5		ug/L		77	57 - 100	6	15
Di-n-octyl phthalate	20.0	13.6		ug/L		68	41 - 100	7	17
Fluoranthene	20.0	15.2		ug/L		76	56 - 100	7	15
Fluorene	20.0	14.7		ug/L		74	53 - 100	7	17
Hexachlorobenzene	20.0	16.0		ug/L		80	46 - 100	6	15
Hexachlorobutadiene	20.0	16.6		ug/L		83	42 - 101	11	15
Hexachlorocyclopentadiene	20.0	15.1		ug/L		76	38 - 102	9	16
Hexachloroethane	20.0	14.9		ug/L		75	46 - 100	4	16
Indeno[1,2,3-cd]pyrene	20.0	15.4		ug/L		77	54 - 100	6	16
Isophorone	20.0	14.1		ug/L		70	50 - 100	7	15
Methylphenol, 3 & 4	20.0	13.7		ug/L		69	51 - 100	1	18
Naphthalene	20.0	14.6		ug/L		73	53 - 100	7	15
Nitrobenzene	20.0	14.7		ug/L		74	47 - 100	8	16
N-Nitrosodi-n-propylamine	20.0	14.5		ug/L		72	43 - 103	3	16
N-Nitrosodiphenylamine	20.0	15.5		ug/L		78	53 - 100	8	16
Pentachlorophenol	40.0	27.8		ug/L		70	35 - 102	5	17
Phenanthrene	20.0	15.0		ug/L		75	53 - 100	6	15
Phenol	20.0	13.0		ug/L		65	49 - 100	5	17
Pyrene	20.0	13.7		ug/L		69	53 - 100	5	15

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-514007/3-A
Matrix: Water
Analysis Batch: 514087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514007

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		23 - 128
2-Fluorobiphenyl	77		20 - 105
2-Fluorophenol (Surr)	76		20 - 105
Nitrobenzene-d5 (Surr)	77		20 - 107
Phenol-d5 (Surr)	72		20 - 106
Terphenyl-d14 (Surr)	73		22 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-822992/60
Matrix: Water
Analysis Batch: 822992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/23/26 10:15	1
Sulfate	ND		1.50	0.500	mg/L			05/23/26 10:15	1

Lab Sample ID: LCS 410-822992/58
Matrix: Water
Analysis Batch: 822992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.828		mg/L		94	90 - 110
Sulfate	7.50	6.863		mg/L		92	90 - 110

Lab Sample ID: LCSD 410-822992/59
Matrix: Water
Analysis Batch: 822992

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.00	2.829		mg/L		94	90 - 110	0	20
Sulfate	7.50	6.867		mg/L		92	90 - 110	0	20

Lab Sample ID: MB 410-824768/5
Matrix: Water
Analysis Batch: 824768

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/28/26 02:36	1
Sulfate	ND		1.50	0.500	mg/L			05/28/26 02:36	1

Lab Sample ID: LCS 410-824768/3
Matrix: Water
Analysis Batch: 824768

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.900		mg/L		97	90 - 110
Sulfate	7.50	7.068		mg/L		94	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 410-824768/4
Matrix: Water
Analysis Batch: 824768

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.902		mg/L		97	90 - 110	0	20
Sulfate			7.50	7.033		mg/L		94	90 - 110	0	20

Lab Sample ID: MB 410-824807/52
Matrix: Water
Analysis Batch: 824807

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/27/26 20:58	1
Sulfate	ND		1.50	0.500	mg/L			05/27/26 20:58	1

Lab Sample ID: LCS 410-824807/50
Matrix: Water
Analysis Batch: 824807

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			3.00	3.030		mg/L		101	90 - 110
Sulfate			7.50	7.574		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-824807/51
Matrix: Water
Analysis Batch: 824807

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	3.031		mg/L		101	90 - 110	0	20
Sulfate			7.50	7.555		mg/L		101	90 - 110	0	20

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-822991/60
Matrix: Water
Analysis Batch: 822991

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/23/26 10:15	1

Lab Sample ID: LCS 410-822991/58
Matrix: Water
Analysis Batch: 822991

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			0.750	0.6833		mg/L		91	90 - 110

Lab Sample ID: LCSD 410-822991/59
Matrix: Water
Analysis Batch: 822991

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			0.750	0.6865		mg/L		92	90 - 110	0	20

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-824534/3
Matrix: Water
Analysis Batch: 824534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			05/27/26 11:07	1

Lab Sample ID: LCS 410-824534/4
Matrix: Water
Analysis Batch: 824534

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	226		mg/L		90	90 - 110

Lab Sample ID: LCSD 410-824534/5
Matrix: Water
Analysis Batch: 824534

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	250	226		mg/L		90	90 - 110	0	10

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-513993/7
Matrix: Water
Analysis Batch: 513993

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/19/26 16:05	1

Lab Sample ID: LCS 180-513993/8
Matrix: Water
Analysis Batch: 513993

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	0.850	0.85		NTU		99	90 - 110

Lab Sample ID: 180-205550-1 DU
Matrix: Water
Analysis Batch: 513993

Client Sample ID: MW-27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Turbidity	18		17		NTU		4	20

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-514299/1
Matrix: Water
Analysis Batch: 514299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-513987/1
Matrix: Water
Analysis Batch: 513987

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/19/26 14:08	1

Lab Sample ID: LCS 180-513987/2
Matrix: Water
Analysis Batch: 513987

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	84.0	86.3		umhos/cm		103	90 - 110

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

Lab Sample ID: MB 180-514180/1
Matrix: Water
Analysis Batch: 514180

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	10	mg/L			05/22/26 17:44	1

Lab Sample ID: LCS 180-514180/2
Matrix: Water
Analysis Batch: 514180

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	653	620		mg/L		95	85 - 115

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-514195/2
Matrix: Water
Analysis Batch: 514195

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/26/26 13:57	1

Lab Sample ID: LCS 180-514195/1
Matrix: Water
Analysis Batch: 514195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	264		mg/L		105	90 - 110

Lab Sample ID: 180-205550-1 DU
Matrix: Water
Analysis Batch: 514195

Client Sample ID: MW-27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	330		334		mg/L		1	20

GC/MS VOA

Analysis Batch: 826443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	8260D	
180-205550-1 - DL	MW-27D	Total/NA	Water	8260D	
180-205550-2	MW-9D	Total/NA	Water	8260D	
180-205550-3	MW-9S	Total/NA	Water	8260D	
180-205550-5	MW-26D	Total/NA	Water	8260D	
180-205550-6	TB-6	Total/NA	Water	8260D	
MB 410-826443/8	Method Blank	Total/NA	Water	8260D	
LCS 410-826443/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-826443/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 826707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-4	MW-26S	Total/NA	Water	8260D	
180-205550-4 - DL	MW-26S	Total/NA	Water	8260D	
MB 410-826707/7	Method Blank	Total/NA	Water	8260D	
LCS 410-826707/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-826707/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 514007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	3520C	
180-205550-1 - DL	MW-27D	Total/NA	Water	3520C	
180-205550-2	MW-9D	Total/NA	Water	3520C	
180-205550-3	MW-9S	Total/NA	Water	3520C	
180-205550-4 - DL	MW-26S	Total/NA	Water	3520C	
180-205550-4	MW-26S	Total/NA	Water	3520C	
180-205550-5	MW-26D	Total/NA	Water	3520C	
180-205550-5 - DL	MW-26D	Total/NA	Water	3520C	
MB 180-514007/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-514007/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-514007/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 514087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	EPA 8270E LL	514007
180-205550-1 - DL	MW-27D	Total/NA	Water	EPA 8270E LL	514007
180-205550-2	MW-9D	Total/NA	Water	EPA 8270E LL	514007
180-205550-3	MW-9S	Total/NA	Water	EPA 8270E LL	514007
180-205550-4	MW-26S	Total/NA	Water	EPA 8270E LL	514007
180-205550-4 - DL	MW-26S	Total/NA	Water	EPA 8270E LL	514007
180-205550-5	MW-26D	Total/NA	Water	EPA 8270E LL	514007
180-205550-5 - DL	MW-26D	Total/NA	Water	EPA 8270E LL	514007
MB 180-514007/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	514007
LCS 180-514007/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	514007
LCSD 180-514007/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270E LL	514007

HPLC/IC

Analysis Batch: 822991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	EPA 9056A	
180-205550-2	MW-9D	Total/NA	Water	EPA 9056A	
180-205550-3	MW-9S	Total/NA	Water	EPA 9056A	
180-205550-4	MW-26S	Total/NA	Water	EPA 9056A	
180-205550-5	MW-26D	Total/NA	Water	EPA 9056A	
MB 410-822991/60	Method Blank	Total/NA	Water	EPA 9056A	
LCS 410-822991/58	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCSD 410-822991/59	Lab Control Sample Dup	Total/NA	Water	EPA 9056A	

Analysis Batch: 822992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	9056A	
180-205550-3	MW-9S	Total/NA	Water	9056A	
180-205550-4	MW-26S	Total/NA	Water	9056A	
MB 410-822992/60	Method Blank	Total/NA	Water	9056A	
LCS 410-822992/58	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-822992/59	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 824768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	9056A	
180-205550-5	MW-26D	Total/NA	Water	9056A	
180-205550-5	MW-26D	Total/NA	Water	9056A	
MB 410-824768/5	Method Blank	Total/NA	Water	9056A	
LCS 410-824768/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-824768/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 824807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-2	MW-9D	Total/NA	Water	9056A	
180-205550-3	MW-9S	Total/NA	Water	9056A	
180-205550-4	MW-26S	Total/NA	Water	9056A	
MB 410-824807/52	Method Blank	Total/NA	Water	9056A	
LCS 410-824807/50	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-824807/51	Lab Control Sample Dup	Total/NA	Water	9056A	

General Chemistry

Analysis Batch: 513987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	SM 2510B	
180-205550-2	MW-9D	Total/NA	Water	SM 2510B	
180-205550-3	MW-9S	Total/NA	Water	SM 2510B	
180-205550-4	MW-26S	Total/NA	Water	SM 2510B	
180-205550-5	MW-26D	Total/NA	Water	SM 2510B	
MB 180-513987/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-513987/2	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 513993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	EPA 180.1	

General Chemistry (Continued)

Analysis Batch: 513993 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-2	MW-9D	Total/NA	Water	EPA 180.1	
180-205550-3	MW-9S	Total/NA	Water	EPA 180.1	
180-205550-4	MW-26S	Total/NA	Water	EPA 180.1	
180-205550-5	MW-26D	Total/NA	Water	EPA 180.1	
MB 180-513993/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-513993/8	Lab Control Sample	Total/NA	Water	EPA 180.1	
180-205550-1 DU	MW-27D	Total/NA	Water	EPA 180.1	

Analysis Batch: 514180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	SM 2540C	
180-205550-2	MW-9D	Total/NA	Water	SM 2540C	
180-205550-3	MW-9S	Total/NA	Water	SM 2540C	
180-205550-4	MW-26S	Total/NA	Water	SM 2540C	
180-205550-5	MW-26D	Total/NA	Water	SM 2540C	
MB 180-514180/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-514180/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 514195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	SM2320 B	
180-205550-2	MW-9D	Total/NA	Water	SM2320 B	
180-205550-3	MW-9S	Total/NA	Water	SM2320 B	
180-205550-4	MW-26S	Total/NA	Water	SM2320 B	
180-205550-5	MW-26D	Total/NA	Water	SM2320 B	
MB 180-514195/2	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-514195/1	Lab Control Sample	Total/NA	Water	SM2320 B	
180-205550-1 DU	MW-27D	Total/NA	Water	SM2320 B	

Analysis Batch: 514299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	EPA 9040C	
180-205550-2	MW-9D	Total/NA	Water	EPA 9040C	
180-205550-3	MW-9S	Total/NA	Water	EPA 9040C	
180-205550-4	MW-26S	Total/NA	Water	EPA 9040C	
180-205550-5	MW-26D	Total/NA	Water	EPA 9040C	
LCS 180-514299/1	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 824534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205550-1	MW-27D	Total/NA	Water	2310B-2011	
180-205550-2	MW-9D	Total/NA	Water	2310B-2011	
180-205550-3	MW-9S	Total/NA	Water	2310B-2011	
180-205550-4	MW-26S	Total/NA	Water	2310B-2011	
180-205550-5	MW-26D	Total/NA	Water	2310B-2011	
MB 410-824534/3	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-824534/4	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-824534/5	Lab Control Sample Dup	Total/NA	Water	2310B-2011	

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Chris Kupfer**		COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	**Site Contact: Dave Gaviglia**	**Date:** 1 of 1 COCs
100 Airside Drive	Tel/Fax: 724-457-8910	**Lab Contact: Andy Johnson**	**Carrier: Hand Delivered** TALS Project #:
Moon Twp., PA 15108	**Analysis Turnaround Time** ☑ CALENDAR DAYS ☐ WORKING DAYS		Sampler: Dave Gaviglia
412-269-6300	TAT if different from Below ☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		**For Lab Use Only:** Walk-in Client: Lab Sampling:
Project Name: 2026 Groundwater Investigation			Job / SDG No.:
Site: Erie Coke Works			
P O #: 208908			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-27D	5/18/26	1130	G	GW		X	X	X				"Hot" Sample
MW-9D		1235				X	X	X				
MW-9S		1520				X	X	X				
MW-26S		1130				X	X	X				
MW-26D		1530				X	X	X				
TB-6	—	—	—	—		X						

180-205550 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

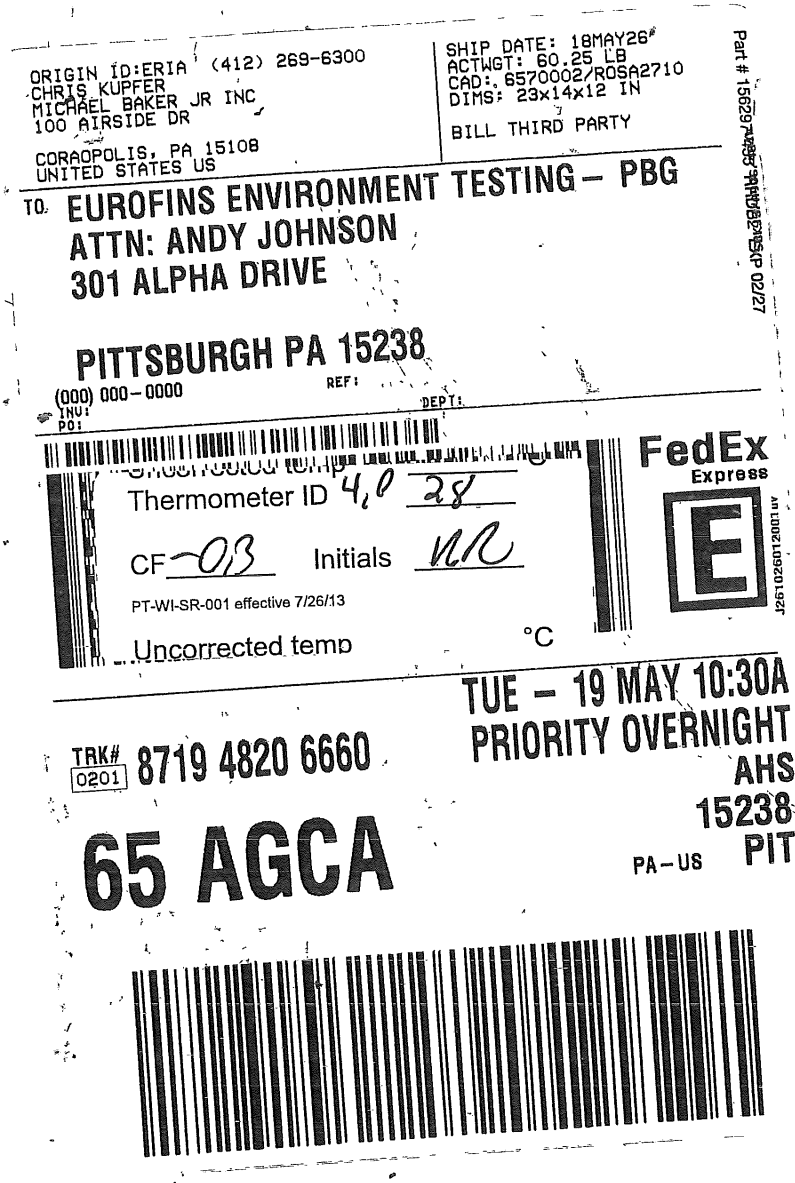
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/18/26 1700	Received by:	Company:	Date/Time: 5-19-26 @ 945
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:


ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPFER
MICHAEL BAKER JR INC
100 AIRSIDE DR
CORAOPOLIS, PA 15108
UNITED STATES US
SHIP DATE: 18MAY26
ACTWGT: 60.25 LB
CAD: 6570002/ROSA2710
DIMS: 23x14x12 IN
BILL THIRD PARTY
TO EUROFINS ENVIRONMENT TESTING – PBG
ATTN: ANDY JOHNSON
301 ALPHA DRIVE
PITTSBURGH PA 15238
(000) 000-0000
REF:
INV:
PO:
DEPT:
Thermometer ID 4.0 28
CF -0.3 Initials NR
PT-WI-SR-001 effective 7/26/13
Uncorrected temp
°C
FedEx Express
TUE – 19 MAY 10:30A
PRIORITY OVERNIGHT
TRK# 0201 8719 4820 6660
65 AGCA
AHS
15238
PA-US
PIT
180-205550 Waybill

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556955.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205550-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/2/2026			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			

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)	8260D_LL/5030CV/OCs	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-27D (180-205550-1)	5/18/26	11:30 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-9D (180-205550-2)	5/18/26	12:35 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-9S (180-205550-3)	5/18/26	15:20 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-26S (180-205550-4)	5/18/26	11:30 Eastern	G	Water			X	X	4	per client, "hot" sample
MW-26D (180-205550-5)	5/18/26	15:30 Eastern	G	Water			X	X	4	per client, "hot" sample
TB-6 (180-205550-6)	5/18/26	Eastern	G	Water			X		2	

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/20/26 14:00	EDHWB	MA	5/20/26 1400	Eurofins
2	MA	5/20/26 1815	Eurofins			
3					5/20/26 1815	Eurofins

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☐ Yes ☐ No		3.7/3.8

Ver: 03/20/2026

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-557126.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205550-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/2/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	9056A_ORGFM_28D(MOD) Custom Analyte List	9056A_ORGFM_48H(MOD) Custom Analyte List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-27D (180-205550-1)	5/18/26	11:30 Eastern	G	Water			X	X	1	
MW-9D (180-205550-2)	5/18/26	12:35 Eastern	G	Water			X	X	1	
MW-9S (180-205550-3)	5/18/26	15:20 Eastern	G	Water			X	X	1	
MW-26S (180-205550-4)	5/18/26	11:30 Eastern	G	Water			X	X	1	
MW-26D (180-205550-5)	5/18/26	15:30 Eastern	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/22/26 14:00	EPHM	MA	5.22.26 1400	ELLO
2	MA	5.22.26 1800	ELLO			
3					5/22/26 1800	ELLO

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☑ Yes ☐ No		R: 3.1 / C: 3.8

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205550-1

Login Number: 205550

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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.	True	
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205550-1

Login Number: 205550
List Number: 2
Creator: Martin, Elizabeth

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/21/26 02:16 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205550-1

Login Number: 205550
List Number: 3
Creator: Ciccia, Caleb

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/23/26 09:56 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	True	
WV: Container 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	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 6/2/2026 4:49:43 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205518-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

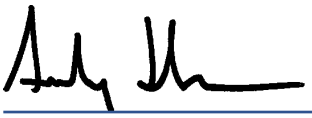
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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6/2/2026 4:49:43 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job Narrative
180-205518-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/16/2026 9:35 AM. 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 3.9°C.

GC/MS VOA
Method 8260D: SIM/SCAN

Method 8260D: The method blank for 410-826006 contained Carbon disulfide above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826006 recovered above the upper control limit for Methylcyclohexane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample was diluted due to the nature of the sample matrix: MW-8S (180-205518-1). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826443 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826443 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, Methyl acetate and trans-1,3-Dichloropropene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Due to observed foaming of the sample during purging, an anti-foaming agent was added to the following samples to allow analysis at a lower dilution factor: : MW-35S (180-205518-6).

Method 8260D: Internal standard (ISTD) response for t-Butyl alcohol-d10 for the following sample was outside acceptance criteria: MW-35S (180-205518-6). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Method 8260D: The method blank for 410-826000 contained Carbon disulfide above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-826000 recovered above the upper control limit for Chloromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

GC/MS Semi VOA
Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-514029 was outside the method criteria for the following analyte(s): 2-Nitroaniline, Bis(2-ethylhexyl) phthalate, Caprolactam, Di-n-octyl phthalate and N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected

analyte(s) is considered estimated.

Method EPA 8270E LL: The laboratory control sample (LCS) for preparation batch 180-513955 and analytical batch 180-514029 recovered outside control limits for the following analyte: Di-n-octyl phthalate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-8D (180-205518-2) and MW-8D-DUP (180-205518-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-514085 was outside the method criteria for the following analyte(s): Caprolactam and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following sample was diluted due to the nature of the sample matrix: MW-8S (180-205518-1). Elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-29 (180-205518-4) and MW-31 (180-205518-5). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

Definitions/Glossary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205518-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-27

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Job ID: 180-205518-1
Project/Site: Erie Coke Works

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205518-1	MW-8S	Water	05/15/26 09:30	05/16/26 09:35	Pennsylvania
180-205518-2	MW-8D	Water	05/15/26 11:10	05/16/26 09:35	Pennsylvania
180-205518-3	MW-8D-DUP	Water	05/15/26 11:30	05/16/26 09:35	Pennsylvania
180-205518-4	MW-29	Water	05/15/26 09:30	05/16/26 09:35	Pennsylvania
180-205518-5	MW-31	Water	05/15/26 11:20	05/16/26 09:35	Pennsylvania
180-205518-6	MW-35S	Water	05/15/26 09:30	05/16/26 09:35	Pennsylvania
180-205518-7	MW-35D	Water	05/15/26 10:40	05/16/26 09:35	Pennsylvania
180-205518-8	TB-5	Water	05/15/26 00:00	05/16/26 09:35	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8S

Lab Sample ID: 180-205518-1

Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	25 mL	25 mL	826006	05/29/26 15:41	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		3	1 mL	1 mL	514085	05/21/26 13:44	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: MW-8D

Lab Sample ID: 180-205518-2

Date Collected: 05/15/26 11:10
Date Received: 05/16/26 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	25 mL	25 mL	826006	05/29/26 17:10	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	826006	05/29/26 17:32	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514029	05/20/26 17:58	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: MW-8D-DUP

Lab Sample ID: 180-205518-3

Date Collected: 05/15/26 11:30
Date Received: 05/16/26 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	25 mL	25 mL	826006	05/29/26 17:54	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	826006	05/29/26 18:16	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514029	05/20/26 18:19	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: MW-29

Lab Sample ID: 180-205518-4

Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		100	25 mL	25 mL	826006	05/29/26 19:22	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D	DL	1000	25 mL	25 mL	826006	05/29/26 19:44	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		25	1 mL	1 mL	514085	05/21/26 14:05	VVP	EET PIT
	Instrument ID: CH751									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-31

Lab Sample ID: 180-205518-5

Date Collected: 05/15/26 11:20

Matrix: Water

Date Received: 05/16/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	25 mL	25 mL	826006	05/29/26 18:38	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	826006	05/29/26 19:00	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514029	05/20/26 19:01	VVP	EET PIT
	Instrument ID: CH751									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	50	1 mL	1 mL	514085	05/21/26 14:26	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: MW-35S

Lab Sample ID: 180-205518-6

Date Collected: 05/15/26 09:30

Matrix: Water

Date Received: 05/16/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	826000	05/29/26 20:50	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			250 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514085	05/21/26 14:47	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: MW-35D

Lab Sample ID: 180-205518-7

Date Collected: 05/15/26 10:40

Matrix: Water

Date Received: 05/16/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	826006	05/29/26 15:19	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513955	05/18/26 22:38	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514029	05/20/26 19:43	VVP	EET PIT
	Instrument ID: CH751									

Client Sample ID: TB-5

Lab Sample ID: 180-205518-8

Date Collected: 05/15/26 00:00

Matrix: Water

Date Received: 05/16/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	826443	05/29/26 22:06	HR3Z	ELLE
	Instrument ID: 19930									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client: Michael Baker International, Inc.
Job ID: 180-205518-1
Project/Site: Erie Coke Works

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Analysis

HR3Z = Nicholas Carson

N7YK = Eric Ressler

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8S
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.80	ug/L			05/29/26 15:41	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
1,1,2-Trichloroethane	ND		5.0	0.80	ug/L			05/29/26 15:41	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
1,1-Dichloroethene	ND		5.0	1.0	ug/L			05/29/26 15:41	10
1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L			05/29/26 15:41	10
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/L			05/29/26 15:41	10
1,2-Dibromoethane	ND		5.0	0.80	ug/L			05/29/26 15:41	10
1,2-Dichlorobenzene	ND		5.0	0.70	ug/L			05/29/26 15:41	10
1,2-Dichloroethane	ND		5.0	1.7	ug/L			05/29/26 15:41	10
1,2-Dichloropropane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
1,3-Dichlorobenzene	ND		5.0	0.70	ug/L			05/29/26 15:41	10
1,4-Dichlorobenzene	ND		5.0	0.70	ug/L			05/29/26 15:41	10
2-Butanone	ND		50	25	ug/L			05/29/26 15:41	10
2-Hexanone	ND		50	20	ug/L			05/29/26 15:41	10
4-Methyl-2-pentanone	ND		50	10	ug/L			05/29/26 15:41	10
Acetone	ND		50	15	ug/L			05/29/26 15:41	10
Benzene	**34**		5.0	1.0	ug/L			05/29/26 15:41	10
Bromodichloromethane	ND		5.0	0.80	ug/L			05/29/26 15:41	10
Bromoform	ND		10	3.0	ug/L			05/29/26 15:41	10
Bromomethane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Carbon disulfide	**1.7**	**J B**	10	1.0	ug/L			05/29/26 15:41	10
Carbon tetrachloride	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Chlorobenzene	ND		5.0	0.70	ug/L			05/29/26 15:41	10
Chloroethane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Chloroform	ND		5.0	0.90	ug/L			05/29/26 15:41	10
Chloromethane	ND		5.0	2.2	ug/L			05/29/26 15:41	10
cis-1,2-Dichloroethene	ND		5.0	0.80	ug/L			05/29/26 15:41	10
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Cyclohexane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Dibromochloromethane	ND		5.0	0.80	ug/L			05/29/26 15:41	10
Dichlorodifluoromethane	ND		5.0	2.2	ug/L			05/29/26 15:41	10
Ethylbenzene	**2.3**	**J**	5.0	0.80	ug/L			05/29/26 15:41	10
Freon 113	ND		5.0	1.7	ug/L			05/29/26 15:41	10
Isopropylbenzene	**0.91**	**J**	5.0	0.80	ug/L			05/29/26 15:41	10
Methyl acetate	ND		10	2.0	ug/L			05/29/26 15:41	10
Methyl tertiary butyl ether	ND		5.0	0.80	ug/L			05/29/26 15:41	10
Methylcyclohexane	ND	^c	5.0	1.0	ug/L			05/29/26 15:41	10
Methylene Chloride	ND		5.0	2.0	ug/L			05/29/26 15:41	10
Styrene	ND		5.0	0.70	ug/L			05/29/26 15:41	10
Tetrachloroethene	ND		5.0	2.0	ug/L			05/29/26 15:41	10
Toluene	ND		5.0	0.80	ug/L			05/29/26 15:41	10
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/L			05/29/26 15:41	10
trans-1,3-Dichloropropene	ND		5.0	0.80	ug/L			05/29/26 15:41	10
Trichloroethene	ND		5.0	0.80	ug/L			05/29/26 15:41	10
Trichlorofluoromethane	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Vinyl chloride	ND		5.0	1.0	ug/L			05/29/26 15:41	10
Xylene (total)	**5.9**	**J**	10	0.70	ug/L			05/29/26 15:41	10

Client Sample ID: MW-8S
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/29/26 15:41*	*10*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 15:41*	*10*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/29/26 15:41*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 15:41*	*10*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		2.9	0.41	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,2'-oxybis[1-chloropropane]	ND		0.55	0.35	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4,5-Trichlorophenol	ND		2.9	0.73	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4,6-Trichlorophenol	ND		2.9	0.65	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4-Dichlorophenol	ND		0.55	0.15	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4-Dimethylphenol	ND		2.9	1.7	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4-Dinitrophenol	ND		29	9.4	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,4-Dinitrotoluene	ND		2.9	1.0	ug/L		05/18/26 22:38	05/21/26 13:44	3
2,6-Dinitrotoluene	ND		2.9	0.50	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Chloronaphthalene	ND		0.55	0.17	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Chlorophenol	ND		2.9	0.65	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Methylnaphthalene	**1.1**		0.55	0.18	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Methylphenol	ND		2.9	1.6	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Nitroaniline	ND		14	1.6	ug/L		05/18/26 22:38	05/21/26 13:44	3
2-Nitrophenol	ND		2.9	0.56	ug/L		05/18/26 22:38	05/21/26 13:44	3
3,3'-Dichlorobenzidine	ND		2.9	1.7	ug/L		05/18/26 22:38	05/21/26 13:44	3
3-Nitroaniline	ND		14	1.3	ug/L		05/18/26 22:38	05/21/26 13:44	3
4,6-Dinitro-2-methylphenol	ND		14	4.2	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Bromophenyl phenyl ether	ND		2.9	0.92	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Chloro-3-methylphenol	ND		2.9	1.3	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Chloroaniline	ND		2.9	1.1	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Chlorophenyl phenyl ether	ND		2.9	0.64	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Nitroaniline	ND		14	1.0	ug/L		05/18/26 22:38	05/21/26 13:44	3
4-Nitrophenol	ND		14	2.7	ug/L		05/18/26 22:38	05/21/26 13:44	3
Acenaphthene	**1.0**		0.55	0.19	ug/L		05/18/26 22:38	05/21/26 13:44	3
Acenaphthylene	**0.55**		0.55	0.19	ug/L		05/18/26 22:38	05/21/26 13:44	3
Acetophenone	ND		2.9	0.46	ug/L		05/18/26 22:38	05/21/26 13:44	3
Anthracene	**0.81**		0.55	0.14	ug/L		05/18/26 22:38	05/21/26 13:44	3
Atrazine	ND		2.9	0.85	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzaldehyde	ND		2.9	1.6	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzo[a]anthracene	ND		0.55	0.22	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzo[a]pyrene	ND		0.55	0.37	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzo[b]fluoranthene	ND		0.55	0.28	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzo[g,h,i]perylene	ND		0.55	0.20	ug/L		05/18/26 22:38	05/21/26 13:44	3
Benzo[k]fluoranthene	ND		0.55	0.25	ug/L		05/18/26 22:38	05/21/26 13:44	3
Bis(2-chloroethoxy)methane	ND		2.9	0.44	ug/L		05/18/26 22:38	05/21/26 13:44	3
Bis(2-chloroethyl)ether	ND		0.55	0.40	ug/L		05/18/26 22:38	05/21/26 13:44	3
Bis(2-ethylhexyl) phthalate	ND		29	6.0	ug/L		05/18/26 22:38	05/21/26 13:44	3
Butyl benzyl phthalate	ND		5.8	2.7	ug/L		05/18/26 22:38	05/21/26 13:44	3
Caprolactam	ND	^c	14	2.0	ug/L		05/18/26 22:38	05/21/26 13:44	3
Carbazole	**13**		0.55	0.15	ug/L		05/18/26 22:38	05/21/26 13:44	3
Chrysene	ND		0.55	0.23	ug/L		05/18/26 22:38	05/21/26 13:44	3
Dibenz(a,h)anthracene	ND		0.55	0.21	ug/L		05/18/26 22:38	05/21/26 13:44	3

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8S
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**2.2**	**J**	2.9	0.55	ug/L		05/18/26 22:38	05/21/26 13:44	3
Diethyl phthalate	ND		2.9	0.72	ug/L		05/18/26 22:38	05/21/26 13:44	3
Dimethyl phthalate	ND		5.8	0.58	ug/L		05/18/26 22:38	05/21/26 13:44	3
Di-n-butyl phthalate	ND		2.9	1.1	ug/L		05/18/26 22:38	05/21/26 13:44	3
Di-n-octyl phthalate	ND	^c *+	2.9	2.0	ug/L		05/18/26 22:38	05/21/26 13:44	3
Fluoranthene	**0.92**		0.55	0.17	ug/L		05/18/26 22:38	05/21/26 13:44	3
Fluorene	**3.3**		0.55	0.20	ug/L		05/18/26 22:38	05/21/26 13:44	3
Hexachlorobenzene	ND		0.55	0.16	ug/L		05/18/26 22:38	05/21/26 13:44	3
Hexachlorobutadiene	ND		0.55	0.45	ug/L		05/18/26 22:38	05/21/26 13:44	3
Hexachlorocyclopentadiene	ND		2.9	1.4	ug/L		05/18/26 22:38	05/21/26 13:44	3
Hexachloroethane	ND		2.9	0.92	ug/L		05/18/26 22:38	05/21/26 13:44	3
Indeno[1,2,3-cd]pyrene	ND		0.55	0.25	ug/L		05/18/26 22:38	05/21/26 13:44	3
Isophorone	ND		2.9	0.54	ug/L		05/18/26 22:38	05/21/26 13:44	3
Methylphenol, 3 & 4	ND		2.9	1.1	ug/L		05/18/26 22:38	05/21/26 13:44	3
Naphthalene	**17**		0.55	0.17	ug/L		05/18/26 22:38	05/21/26 13:44	3
Nitrobenzene	ND		5.8	1.4	ug/L		05/18/26 22:38	05/21/26 13:44	3
N-Nitrosodi-n-propylamine	ND		0.55	0.20	ug/L		05/18/26 22:38	05/21/26 13:44	3
N-Nitrosodiphenylamine	ND		2.9	0.72	ug/L		05/18/26 22:38	05/21/26 13:44	3
Pentachlorophenol	ND		14	2.4	ug/L		05/18/26 22:38	05/21/26 13:44	3
Phenanthrene	**1.7**		0.55	0.45	ug/L		05/18/26 22:38	05/21/26 13:44	3
Phenol	ND		2.9	1.4	ug/L		05/18/26 22:38	05/21/26 13:44	3
Pyrene	**0.44**	**J**	0.55	0.32	ug/L		05/18/26 22:38	05/21/26 13:44	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*23 - 128*	*05/18/26 22:38*	*05/21/26 13:44*	*3*
2-Fluorobiphenyl	*50*		*20 - 105*	*05/18/26 22:38*	*05/21/26 13:44*	*3*
2-Fluorophenol (Surr)	*46*		*20 - 105*	*05/18/26 22:38*	*05/21/26 13:44*	*3*
Nitrobenzene-d5 (Surr)	*51*		*20 - 107*	*05/18/26 22:38*	*05/21/26 13:44*	*3*
Phenol-d5 (Surr)	*52*		*20 - 106*	*05/18/26 22:38*	*05/21/26 13:44*	*3*
Terphenyl-d14 (Surr)	*54*		*22 - 120*	*05/18/26 22:38*	*05/21/26 13:44*	*3*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8D
Date Collected: 05/15/26 11:10
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			05/29/26 17:10	50
1,1,2,2-Tetrachloroethane	ND		25	5.0	ug/L			05/29/26 17:10	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			05/29/26 17:10	50
1,1-Dichloroethane	ND		25	5.0	ug/L			05/29/26 17:10	50
1,1-Dichloroethene	ND		25	5.0	ug/L			05/29/26 17:10	50
1,2,4-Trichlorobenzene	ND		25	7.5	ug/L			05/29/26 17:10	50
1,2-Dibromo-3-Chloropropane	ND		25	13	ug/L			05/29/26 17:10	50
1,2-Dibromoethane	ND		25	4.0	ug/L			05/29/26 17:10	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:10	50
1,2-Dichloroethane	ND		25	8.5	ug/L			05/29/26 17:10	50
1,2-Dichloropropane	ND		25	5.0	ug/L			05/29/26 17:10	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:10	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:10	50
2-Butanone	ND		250	130	ug/L			05/29/26 17:10	50
2-Hexanone	ND		250	100	ug/L			05/29/26 17:10	50
4-Methyl-2-pentanone	ND		250	50	ug/L			05/29/26 17:10	50
Acetone	ND		250	75	ug/L			05/29/26 17:10	50
Bromodichloromethane	ND		25	4.0	ug/L			05/29/26 17:10	50
Bromoform	ND		50	15	ug/L			05/29/26 17:10	50
Bromomethane	ND		25	5.0	ug/L			05/29/26 17:10	50
Carbon disulfide	**7.9**	**J B**	50	5.0	ug/L			05/29/26 17:10	50
Carbon tetrachloride	ND		25	5.0	ug/L			05/29/26 17:10	50
Chlorobenzene	ND		25	3.5	ug/L			05/29/26 17:10	50
Chloroethane	ND		25	5.0	ug/L			05/29/26 17:10	50
Chloroform	ND		25	4.5	ug/L			05/29/26 17:10	50
Chloromethane	ND		25	11	ug/L			05/29/26 17:10	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			05/29/26 17:10	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			05/29/26 17:10	50
Cyclohexane	ND		25	5.0	ug/L			05/29/26 17:10	50
Dibromochloromethane	ND		25	4.0	ug/L			05/29/26 17:10	50
Dichlorodifluoromethane	ND		25	11	ug/L			05/29/26 17:10	50
Ethylbenzene	**36**		25	4.0	ug/L			05/29/26 17:10	50
Freon 113	ND		25	8.5	ug/L			05/29/26 17:10	50
Isopropylbenzene	ND		25	4.0	ug/L			05/29/26 17:10	50
Methyl acetate	ND		50	10	ug/L			05/29/26 17:10	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			05/29/26 17:10	50
Methylcyclohexane	ND	^c	25	5.0	ug/L			05/29/26 17:10	50
Methylene Chloride	ND		25	10	ug/L			05/29/26 17:10	50
Styrene	ND		25	3.5	ug/L			05/29/26 17:10	50
Tetrachloroethene	ND		25	10	ug/L			05/29/26 17:10	50
Toluene	**810**		25	4.0	ug/L			05/29/26 17:10	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			05/29/26 17:10	50
trans-1,3-Dichloropropene	ND		25	4.0	ug/L			05/29/26 17:10	50
Trichloroethene	ND		25	4.0	ug/L			05/29/26 17:10	50
Trichlorofluoromethane	ND		25	5.0	ug/L			05/29/26 17:10	50
Vinyl chloride	ND		25	5.0	ug/L			05/29/26 17:10	50
Xylene (total)	**310**		50	3.5	ug/L			05/29/26 17:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/29/26 17:10*	*50*

Client Sample ID: MW-8D
Date Collected: 05/15/26 11:10
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 17:10*	*50*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 17:10*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/29/26 17:10*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6300**		250	50	ug/L			05/29/26 17:32	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/29/26 17:32*	*500*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 17:32*	*500*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 17:32*	*500*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/29/26 17:32*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4-Dimethylphenol	**360**		48	28	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/18/26 22:38	05/20/26 17:58	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Chlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Methylnaphthalene	**6.9**	**J**	9.1	3.0	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Methylphenol	**400**		48	27	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Nitroaniline	ND	^c	240	26	ug/L		05/18/26 22:38	05/20/26 17:58	50
2-Nitrophenol	ND		48	9.3	ug/L		05/18/26 22:38	05/20/26 17:58	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/18/26 22:38	05/20/26 17:58	50
3-Nitroaniline	ND		240	21	ug/L		05/18/26 22:38	05/20/26 17:58	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Chloroaniline	ND		48	18	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Nitroaniline	ND		240	17	ug/L		05/18/26 22:38	05/20/26 17:58	50
4-Nitrophenol	ND		240	45	ug/L		05/18/26 22:38	05/20/26 17:58	50
Acenaphthene	**5.2**	**J**	9.1	3.1	ug/L		05/18/26 22:38	05/20/26 17:58	50
Acenaphthylene	**4.0**	**J**	9.1	3.1	ug/L		05/18/26 22:38	05/20/26 17:58	50
Acetophenone	ND		48	7.6	ug/L		05/18/26 22:38	05/20/26 17:58	50
Anthracene	ND		9.1	2.4	ug/L		05/18/26 22:38	05/20/26 17:58	50
Atrazine	ND		48	14	ug/L		05/18/26 22:38	05/20/26 17:58	50
Benzaldehyde	ND		48	26	ug/L		05/18/26 22:38	05/20/26 17:58	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/18/26 22:38	05/20/26 17:58	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/18/26 22:38	05/20/26 17:58	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/18/26 22:38	05/20/26 17:58	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/18/26 22:38	05/20/26 17:58	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8D
Date Collected: 05/15/26 11:10
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/18/26 22:38	05/20/26 17:58	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/18/26 22:38	05/20/26 17:58	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/18/26 22:38	05/20/26 17:58	50
Bis(2-ethylhexyl) phthalate	ND	^c	480	100	ug/L		05/18/26 22:38	05/20/26 17:58	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/18/26 22:38	05/20/26 17:58	50
Caprolactam	ND	^c	240	33	ug/L		05/18/26 22:38	05/20/26 17:58	50
Carbazole	**33**		9.1	2.5	ug/L		05/18/26 22:38	05/20/26 17:58	50
Chrysene	ND		9.1	3.9	ug/L		05/18/26 22:38	05/20/26 17:58	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/18/26 22:38	05/20/26 17:58	50
Dibenzofuran	ND		48	9.1	ug/L		05/18/26 22:38	05/20/26 17:58	50
Diethyl phthalate	ND		48	12	ug/L		05/18/26 22:38	05/20/26 17:58	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/18/26 22:38	05/20/26 17:58	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/18/26 22:38	05/20/26 17:58	50
Di-n-octyl phthalate	ND	^c *+	48	33	ug/L		05/18/26 22:38	05/20/26 17:58	50
Fluoranthene	ND		9.1	2.9	ug/L		05/18/26 22:38	05/20/26 17:58	50
Fluorene	**4.7**	**J**	9.1	3.3	ug/L		05/18/26 22:38	05/20/26 17:58	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/18/26 22:38	05/20/26 17:58	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/20/26 17:58	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/18/26 22:38	05/20/26 17:58	50
Hexachloroethane	ND		48	15	ug/L		05/18/26 22:38	05/20/26 17:58	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/18/26 22:38	05/20/26 17:58	50
Isophorone	ND		48	9.0	ug/L		05/18/26 22:38	05/20/26 17:58	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/18/26 22:38	05/20/26 17:58	50
Naphthalene	**840**		9.1	2.8	ug/L		05/18/26 22:38	05/20/26 17:58	50
Nitrobenzene	ND		96	24	ug/L		05/18/26 22:38	05/20/26 17:58	50
N-Nitrosodi-n-propylamine	ND	^c	9.1	3.4	ug/L		05/18/26 22:38	05/20/26 17:58	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/18/26 22:38	05/20/26 17:58	50
Pentachlorophenol	ND		240	41	ug/L		05/18/26 22:38	05/20/26 17:58	50
Phenanthrene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/20/26 17:58	50
Phenol	**43**	**J**	48	23	ug/L		05/18/26 22:38	05/20/26 17:58	50
Pyrene	ND		9.1	5.3	ug/L		05/18/26 22:38	05/20/26 17:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*23 - 128*	*05/18/26 22:38*	*05/20/26 17:58*	*50*
2-Fluorobiphenyl	*0*	*S1-*	*20 - 105*	*05/18/26 22:38*	*05/20/26 17:58*	*50*
2-Fluorophenol (Surr)	*0*	*S1-*	*20 - 105*	*05/18/26 22:38*	*05/20/26 17:58*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*20 - 107*	*05/18/26 22:38*	*05/20/26 17:58*	*50*
Phenol-d5 (Surr)	*0*	*S1-*	*20 - 106*	*05/18/26 22:38*	*05/20/26 17:58*	*50*
Terphenyl-d14 (Surr)	*0*	*S1-*	*22 - 120*	*05/18/26 22:38*	*05/20/26 17:58*	*50*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8D-DUP
Date Collected: 05/15/26 11:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			05/29/26 17:54	50
1,1,2,2-Tetrachloroethane	ND		25	5.0	ug/L			05/29/26 17:54	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			05/29/26 17:54	50
1,1-Dichloroethane	ND		25	5.0	ug/L			05/29/26 17:54	50
1,1-Dichloroethene	ND		25	5.0	ug/L			05/29/26 17:54	50
1,2,4-Trichlorobenzene	ND		25	7.5	ug/L			05/29/26 17:54	50
1,2-Dibromo-3-Chloropropane	ND		25	13	ug/L			05/29/26 17:54	50
1,2-Dibromoethane	ND		25	4.0	ug/L			05/29/26 17:54	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:54	50
1,2-Dichloroethane	ND		25	8.5	ug/L			05/29/26 17:54	50
1,2-Dichloropropane	ND		25	5.0	ug/L			05/29/26 17:54	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:54	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 17:54	50
2-Butanone	ND		250	130	ug/L			05/29/26 17:54	50
2-Hexanone	ND		250	100	ug/L			05/29/26 17:54	50
4-Methyl-2-pentanone	ND		250	50	ug/L			05/29/26 17:54	50
Acetone	ND		250	75	ug/L			05/29/26 17:54	50
Bromodichloromethane	ND		25	4.0	ug/L			05/29/26 17:54	50
Bromoform	ND		50	15	ug/L			05/29/26 17:54	50
Bromomethane	ND		25	5.0	ug/L			05/29/26 17:54	50
Carbon disulfide	**7.4**	**J B**	50	5.0	ug/L			05/29/26 17:54	50
Carbon tetrachloride	ND		25	5.0	ug/L			05/29/26 17:54	50
Chlorobenzene	ND		25	3.5	ug/L			05/29/26 17:54	50
Chloroethane	ND		25	5.0	ug/L			05/29/26 17:54	50
Chloroform	ND		25	4.5	ug/L			05/29/26 17:54	50
Chloromethane	ND		25	11	ug/L			05/29/26 17:54	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			05/29/26 17:54	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			05/29/26 17:54	50
Cyclohexane	ND		25	5.0	ug/L			05/29/26 17:54	50
Dibromochloromethane	ND		25	4.0	ug/L			05/29/26 17:54	50
Dichlorodifluoromethane	ND		25	11	ug/L			05/29/26 17:54	50
Ethylbenzene	**45**		25	4.0	ug/L			05/29/26 17:54	50
Freon 113	ND		25	8.5	ug/L			05/29/26 17:54	50
Isopropylbenzene	ND		25	4.0	ug/L			05/29/26 17:54	50
Methyl acetate	ND		50	10	ug/L			05/29/26 17:54	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			05/29/26 17:54	50
Methylcyclohexane	ND	^c	25	5.0	ug/L			05/29/26 17:54	50
Methylene Chloride	ND		25	10	ug/L			05/29/26 17:54	50
Styrene	**49**		25	3.5	ug/L			05/29/26 17:54	50
Tetrachloroethene	ND		25	10	ug/L			05/29/26 17:54	50
Toluene	**880**		25	4.0	ug/L			05/29/26 17:54	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			05/29/26 17:54	50
trans-1,3-Dichloropropene	ND		25	4.0	ug/L			05/29/26 17:54	50
Trichloroethene	ND		25	4.0	ug/L			05/29/26 17:54	50
Trichlorofluoromethane	ND		25	5.0	ug/L			05/29/26 17:54	50
Vinyl chloride	ND		25	5.0	ug/L			05/29/26 17:54	50
Xylene (total)	**380**		50	3.5	ug/L			05/29/26 17:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/26 17:54*	*50*

Client Sample ID: MW-8D-DUP
Date Collected: 05/15/26 11:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/29/26 17:54*	*50*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 17:54*	*50*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 17:54*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6200**		250	50	ug/L			05/29/26 18:16	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/29/26 18:16*	*500*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 18:16*	*500*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/29/26 18:16*	*500*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 18:16*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4-Dimethylphenol	**390**		48	28	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/18/26 22:38	05/20/26 18:19	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Chlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Methylnaphthalene	**8.3**	**J**	9.1	3.0	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Methylphenol	**420**		48	27	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Nitroaniline	ND	^c	240	26	ug/L		05/18/26 22:38	05/20/26 18:19	50
2-Nitrophenol	ND		48	9.3	ug/L		05/18/26 22:38	05/20/26 18:19	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/18/26 22:38	05/20/26 18:19	50
3-Nitroaniline	ND		240	21	ug/L		05/18/26 22:38	05/20/26 18:19	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Chloroaniline	ND		48	18	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Nitroaniline	ND		240	17	ug/L		05/18/26 22:38	05/20/26 18:19	50
4-Nitrophenol	ND		240	45	ug/L		05/18/26 22:38	05/20/26 18:19	50
Acenaphthene	**6.0**	**J**	9.1	3.1	ug/L		05/18/26 22:38	05/20/26 18:19	50
Acenaphthylene	**4.1**	**J**	9.1	3.1	ug/L		05/18/26 22:38	05/20/26 18:19	50
Acetophenone	ND		48	7.6	ug/L		05/18/26 22:38	05/20/26 18:19	50
Anthracene	ND		9.1	2.4	ug/L		05/18/26 22:38	05/20/26 18:19	50
Atrazine	ND		48	14	ug/L		05/18/26 22:38	05/20/26 18:19	50
Benzaldehyde	ND		48	26	ug/L		05/18/26 22:38	05/20/26 18:19	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/18/26 22:38	05/20/26 18:19	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/18/26 22:38	05/20/26 18:19	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/18/26 22:38	05/20/26 18:19	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/18/26 22:38	05/20/26 18:19	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-8D-DUP
Date Collected: 05/15/26 11:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/18/26 22:38	05/20/26 18:19	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/18/26 22:38	05/20/26 18:19	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/18/26 22:38	05/20/26 18:19	50
Bis(2-ethylhexyl) phthalate	ND	^c	480	100	ug/L		05/18/26 22:38	05/20/26 18:19	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/18/26 22:38	05/20/26 18:19	50
Caprolactam	ND	^c	240	33	ug/L		05/18/26 22:38	05/20/26 18:19	50
Carbazole	**35**		9.1	2.5	ug/L		05/18/26 22:38	05/20/26 18:19	50
Chrysene	ND		9.1	3.9	ug/L		05/18/26 22:38	05/20/26 18:19	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/18/26 22:38	05/20/26 18:19	50
Dibenzofuran	ND		48	9.1	ug/L		05/18/26 22:38	05/20/26 18:19	50
Diethyl phthalate	ND		48	12	ug/L		05/18/26 22:38	05/20/26 18:19	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/18/26 22:38	05/20/26 18:19	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/18/26 22:38	05/20/26 18:19	50
Di-n-octyl phthalate	ND	^c *+	48	33	ug/L		05/18/26 22:38	05/20/26 18:19	50
Fluoranthene	ND		9.1	2.9	ug/L		05/18/26 22:38	05/20/26 18:19	50
Fluorene	**5.2**	**J**	9.1	3.3	ug/L		05/18/26 22:38	05/20/26 18:19	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/18/26 22:38	05/20/26 18:19	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/20/26 18:19	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/18/26 22:38	05/20/26 18:19	50
Hexachloroethane	ND		48	15	ug/L		05/18/26 22:38	05/20/26 18:19	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/18/26 22:38	05/20/26 18:19	50
Isophorone	ND		48	9.0	ug/L		05/18/26 22:38	05/20/26 18:19	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/18/26 22:38	05/20/26 18:19	50
Naphthalene	**990**		9.1	2.8	ug/L		05/18/26 22:38	05/20/26 18:19	50
Nitrobenzene	ND		96	24	ug/L		05/18/26 22:38	05/20/26 18:19	50
N-Nitrosodi-n-propylamine	ND	^c	9.1	3.4	ug/L		05/18/26 22:38	05/20/26 18:19	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/18/26 22:38	05/20/26 18:19	50
Pentachlorophenol	ND		240	41	ug/L		05/18/26 22:38	05/20/26 18:19	50
Phenanthrene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/20/26 18:19	50
Phenol	**50**		48	23	ug/L		05/18/26 22:38	05/20/26 18:19	50
Pyrene	ND		9.1	5.3	ug/L		05/18/26 22:38	05/20/26 18:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*23 - 128*	*05/18/26 22:38*	*05/20/26 18:19*	*50*
2-Fluorobiphenyl	*0*	*S1-*	*20 - 105*	*05/18/26 22:38*	*05/20/26 18:19*	*50*
2-Fluorophenol (Surr)	*0*	*S1-*	*20 - 105*	*05/18/26 22:38*	*05/20/26 18:19*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*20 - 107*	*05/18/26 22:38*	*05/20/26 18:19*	*50*
Phenol-d5 (Surr)	*0*	*S1-*	*20 - 106*	*05/18/26 22:38*	*05/20/26 18:19*	*50*
Terphenyl-d14 (Surr)	*0*	*S1-*	*22 - 120*	*05/18/26 22:38*	*05/20/26 18:19*	*50*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-29
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	8.0	ug/L			05/29/26 19:22	100
1,1,2,2-Tetrachloroethane	ND		50	10	ug/L			05/29/26 19:22	100
1,1,2-Trichloroethane	ND		50	8.0	ug/L			05/29/26 19:22	100
1,1-Dichloroethane	ND		50	10	ug/L			05/29/26 19:22	100
1,1-Dichloroethene	ND		50	10	ug/L			05/29/26 19:22	100
1,2,4-Trichlorobenzene	ND		50	15	ug/L			05/29/26 19:22	100
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/L			05/29/26 19:22	100
1,2-Dibromoethane	ND		50	8.0	ug/L			05/29/26 19:22	100
1,2-Dichlorobenzene	ND		50	7.0	ug/L			05/29/26 19:22	100
1,2-Dichloroethane	ND		50	17	ug/L			05/29/26 19:22	100
1,2-Dichloropropane	ND		50	10	ug/L			05/29/26 19:22	100
1,3-Dichlorobenzene	ND		50	7.0	ug/L			05/29/26 19:22	100
1,4-Dichlorobenzene	ND		50	7.0	ug/L			05/29/26 19:22	100
2-Butanone	ND		500	250	ug/L			05/29/26 19:22	100
2-Hexanone	ND		500	200	ug/L			05/29/26 19:22	100
4-Methyl-2-pentanone	ND		500	100	ug/L			05/29/26 19:22	100
Acetone	ND		500	150	ug/L			05/29/26 19:22	100
Bromodichloromethane	ND		50	8.0	ug/L			05/29/26 19:22	100
Bromoform	ND		100	30	ug/L			05/29/26 19:22	100
Bromomethane	ND		50	10	ug/L			05/29/26 19:22	100
Carbon disulfide	**13**	**J B**	100	10	ug/L			05/29/26 19:22	100
Carbon tetrachloride	ND		50	10	ug/L			05/29/26 19:22	100
Chlorobenzene	ND		50	7.0	ug/L			05/29/26 19:22	100
Chloroethane	ND		50	10	ug/L			05/29/26 19:22	100
Chloroform	ND		50	9.0	ug/L			05/29/26 19:22	100
Chloromethane	ND		50	22	ug/L			05/29/26 19:22	100
cis-1,2-Dichloroethene	ND		50	8.0	ug/L			05/29/26 19:22	100
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/29/26 19:22	100
Cyclohexane	**19**	**J**	50	10	ug/L			05/29/26 19:22	100
Dibromochloromethane	ND		50	8.0	ug/L			05/29/26 19:22	100
Dichlorodifluoromethane	ND		50	22	ug/L			05/29/26 19:22	100
Ethylbenzene	**1600**	**ES**	50	8.0	ug/L			05/29/26 19:22	100
Freon 113	ND		50	17	ug/L			05/29/26 19:22	100
Isopropylbenzene	**23**	**J**	50	8.0	ug/L			05/29/26 19:22	100
Methyl acetate	ND		100	20	ug/L			05/29/26 19:22	100
Methyl tertiary butyl ether	ND		50	8.0	ug/L			05/29/26 19:22	100
Methylcyclohexane	ND	^c	50	10	ug/L			05/29/26 19:22	100
Methylene Chloride	ND		50	20	ug/L			05/29/26 19:22	100
Styrene	**600**		50	7.0	ug/L			05/29/26 19:22	100
Tetrachloroethene	ND		50	20	ug/L			05/29/26 19:22	100
trans-1,2-Dichloroethene	ND		50	10	ug/L			05/29/26 19:22	100
trans-1,3-Dichloropropene	ND		50	8.0	ug/L			05/29/26 19:22	100
Trichloroethene	ND		50	8.0	ug/L			05/29/26 19:22	100
Trichlorofluoromethane	ND		50	10	ug/L			05/29/26 19:22	100
Vinyl chloride	ND		50	10	ug/L			05/29/26 19:22	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/26 19:22*	*100*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/29/26 19:22*	*100*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 19:22*	*100*

Client Sample ID: MW-29
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 19:22*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11000**		500	100	ug/L			05/29/26 19:44	1000
Toluene	**20000**		500	80	ug/L			05/29/26 19:44	1000
Xylene (total)	**35000**		1000	70	ug/L			05/29/26 19:44	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/29/26 19:44*	*1000*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 19:44*	*1000*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/29/26 19:44*	*1000*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/29/26 19:44*	*1000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		24	3.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,2'-oxybis[1-chloropropane]	ND		4.6	2.9	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4,5-Trichlorophenol	ND		24	6.1	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4,6-Trichlorophenol	ND		24	5.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4-Dichlorophenol	ND		4.6	1.2	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4-Dimethylphenol	**32**		24	14	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4-Dinitrophenol	ND		240	78	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,4-Dinitrotoluene	ND		24	8.5	ug/L		05/18/26 22:38	05/21/26 14:05	25
2,6-Dinitrotoluene	ND		24	4.2	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Chloronaphthalene	ND		4.6	1.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Chlorophenol	ND		24	5.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Methylnaphthalene	**3.8**	**J**	4.6	1.5	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Methylphenol	**51**		24	13	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Nitroaniline	ND		120	13	ug/L		05/18/26 22:38	05/21/26 14:05	25
2-Nitrophenol	ND		24	4.6	ug/L		05/18/26 22:38	05/21/26 14:05	25
3,3'-Dichlorobenzidine	ND		24	14	ug/L		05/18/26 22:38	05/21/26 14:05	25
3-Nitroaniline	ND		120	11	ug/L		05/18/26 22:38	05/21/26 14:05	25
4,6-Dinitro-2-methylphenol	ND		120	35	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Bromophenyl phenyl ether	ND		24	7.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Chloro-3-methylphenol	ND		24	10	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Chloroaniline	ND		24	9.0	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Chlorophenyl phenyl ether	ND		24	5.3	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Nitroaniline	ND		120	8.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
4-Nitrophenol	ND		120	23	ug/L		05/18/26 22:38	05/21/26 14:05	25
Acenaphthene	ND		4.6	1.6	ug/L		05/18/26 22:38	05/21/26 14:05	25
Acenaphthylene	ND		4.6	1.6	ug/L		05/18/26 22:38	05/21/26 14:05	25
Acetophenone	**110**		24	3.8	ug/L		05/18/26 22:38	05/21/26 14:05	25
Anthracene	ND		4.6	1.2	ug/L		05/18/26 22:38	05/21/26 14:05	25
Atrazine	ND		24	7.1	ug/L		05/18/26 22:38	05/21/26 14:05	25
Benzaldehyde	ND		24	13	ug/L		05/18/26 22:38	05/21/26 14:05	25
Benzo[a]anthracene	ND		4.6	1.8	ug/L		05/18/26 22:38	05/21/26 14:05	25
Benzo[a]pyrene	ND		4.6	3.1	ug/L		05/18/26 22:38	05/21/26 14:05	25
Benzo[b]fluoranthene	ND		4.6	2.3	ug/L		05/18/26 22:38	05/21/26 14:05	25
Benzo[g,h,i]perylene	ND		4.6	1.7	ug/L		05/18/26 22:38	05/21/26 14:05	25

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-29
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		4.6	2.1	ug/L		05/18/26 22:38	05/21/26 14:05	25
Bis(2-chloroethoxy)methane	ND		24	3.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
Bis(2-chloroethyl)ether	ND		4.6	3.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
Bis(2-ethylhexyl) phthalate	ND		240	50	ug/L		05/18/26 22:38	05/21/26 14:05	25
Butyl benzyl phthalate	ND		48	23	ug/L		05/18/26 22:38	05/21/26 14:05	25
Caprolactam	ND	^c	120	16	ug/L		05/18/26 22:38	05/21/26 14:05	25
Carbazole	**4.8**		4.6	1.2	ug/L		05/18/26 22:38	05/21/26 14:05	25
Chrysene	ND		4.6	1.9	ug/L		05/18/26 22:38	05/21/26 14:05	25
Dibenz(a,h)anthracene	ND		4.6	1.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
Dibenzofuran	ND		24	4.6	ug/L		05/18/26 22:38	05/21/26 14:05	25
Diethyl phthalate	ND		24	6.0	ug/L		05/18/26 22:38	05/21/26 14:05	25
Dimethyl phthalate	ND		48	4.8	ug/L		05/18/26 22:38	05/21/26 14:05	25
Di-n-butyl phthalate	ND		24	9.1	ug/L		05/18/26 22:38	05/21/26 14:05	25
Di-n-octyl phthalate	ND	^c *+	24	16	ug/L		05/18/26 22:38	05/21/26 14:05	25
Fluoranthene	ND		4.6	1.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
Fluorene	ND		4.6	1.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
Hexachlorobenzene	ND		4.6	1.3	ug/L		05/18/26 22:38	05/21/26 14:05	25
Hexachlorobutadiene	ND		4.6	3.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
Hexachlorocyclopentadiene	ND		24	12	ug/L		05/18/26 22:38	05/21/26 14:05	25
Hexachloroethane	ND		24	7.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
Indeno[1,2,3-cd]pyrene	ND		4.6	2.0	ug/L		05/18/26 22:38	05/21/26 14:05	25
Isophorone	ND		24	4.5	ug/L		05/18/26 22:38	05/21/26 14:05	25
Methylphenol, 3 & 4	**56**		24	8.9	ug/L		05/18/26 22:38	05/21/26 14:05	25
Naphthalene	**430**		4.6	1.4	ug/L		05/18/26 22:38	05/21/26 14:05	25
Nitrobenzene	ND		48	12	ug/L		05/18/26 22:38	05/21/26 14:05	25
N-Nitrosodi-n-propylamine	ND		4.6	1.7	ug/L		05/18/26 22:38	05/21/26 14:05	25
N-Nitrosodiphenylamine	ND		24	6.0	ug/L		05/18/26 22:38	05/21/26 14:05	25
Pentachlorophenol	ND		120	20	ug/L		05/18/26 22:38	05/21/26 14:05	25
Phenanthrene	ND		4.6	3.8	ug/L		05/18/26 22:38	05/21/26 14:05	25
Phenol	**130**		24	12	ug/L		05/18/26 22:38	05/21/26 14:05	25
Pyrene	ND		4.6	2.7	ug/L		05/18/26 22:38	05/21/26 14:05	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/18/26 22:38*	*05/21/26 14:05*	*25*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/18/26 22:38*	*05/21/26 14:05*	*25*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/18/26 22:38*	*05/21/26 14:05*	*25*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/18/26 22:38*	*05/21/26 14:05*	*25*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/18/26 22:38*	*05/21/26 14:05*	*25*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/18/26 22:38*	*05/21/26 14:05*	*25*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-31
Date Collected: 05/15/26 11:20
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			05/29/26 18:38	50
1,1,2,2-Tetrachloroethane	ND		25	5.0	ug/L			05/29/26 18:38	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			05/29/26 18:38	50
1,1-Dichloroethane	ND		25	5.0	ug/L			05/29/26 18:38	50
1,1-Dichloroethene	ND		25	5.0	ug/L			05/29/26 18:38	50
1,2,4-Trichlorobenzene	ND		25	7.5	ug/L			05/29/26 18:38	50
1,2-Dibromo-3-Chloropropane	ND		25	13	ug/L			05/29/26 18:38	50
1,2-Dibromoethane	ND		25	4.0	ug/L			05/29/26 18:38	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 18:38	50
1,2-Dichloroethane	ND		25	8.5	ug/L			05/29/26 18:38	50
1,2-Dichloropropane	ND		25	5.0	ug/L			05/29/26 18:38	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 18:38	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			05/29/26 18:38	50
2-Butanone	ND		250	130	ug/L			05/29/26 18:38	50
2-Hexanone	ND		250	100	ug/L			05/29/26 18:38	50
4-Methyl-2-pentanone	ND		250	50	ug/L			05/29/26 18:38	50
Acetone	ND		250	75	ug/L			05/29/26 18:38	50
Bromodichloromethane	ND		25	4.0	ug/L			05/29/26 18:38	50
Bromoform	ND		50	15	ug/L			05/29/26 18:38	50
Bromomethane	ND		25	5.0	ug/L			05/29/26 18:38	50
Carbon disulfide	**7.5**	**J B**	50	5.0	ug/L			05/29/26 18:38	50
Carbon tetrachloride	ND		25	5.0	ug/L			05/29/26 18:38	50
Chlorobenzene	ND		25	3.5	ug/L			05/29/26 18:38	50
Chloroethane	ND		25	5.0	ug/L			05/29/26 18:38	50
Chloroform	ND		25	4.5	ug/L			05/29/26 18:38	50
Chloromethane	ND		25	11	ug/L			05/29/26 18:38	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			05/29/26 18:38	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			05/29/26 18:38	50
Cyclohexane	**9.9**	**J**	25	5.0	ug/L			05/29/26 18:38	50
Dibromochloromethane	ND		25	4.0	ug/L			05/29/26 18:38	50
Dichlorodifluoromethane	ND		25	11	ug/L			05/29/26 18:38	50
Ethylbenzene	**80**		25	4.0	ug/L			05/29/26 18:38	50
Freon 113	ND		25	8.5	ug/L			05/29/26 18:38	50
Isopropylbenzene	ND		25	4.0	ug/L			05/29/26 18:38	50
Methyl acetate	ND		50	10	ug/L			05/29/26 18:38	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			05/29/26 18:38	50
Methylcyclohexane	ND	^c	25	5.0	ug/L			05/29/26 18:38	50
Methylene Chloride	ND		25	10	ug/L			05/29/26 18:38	50
Styrene	**30**		25	3.5	ug/L			05/29/26 18:38	50
Tetrachloroethene	ND		25	10	ug/L			05/29/26 18:38	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			05/29/26 18:38	50
trans-1,3-Dichloropropene	ND		25	4.0	ug/L			05/29/26 18:38	50
Trichloroethene	ND		25	4.0	ug/L			05/29/26 18:38	50
Trichlorofluoromethane	ND		25	5.0	ug/L			05/29/26 18:38	50
Vinyl chloride	ND		25	5.0	ug/L			05/29/26 18:38	50
Xylene (total)	**760**		50	3.5	ug/L			05/29/26 18:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/26 18:38*	*50*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 18:38*	*50*

Client Sample ID: MW-31
Date Collected: 05/15/26 11:20
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 18:38*	*50*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 18:38*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9100**		250	50	ug/L			05/29/26 19:00	500
Toluene	**1300**		250	40	ug/L			05/29/26 19:00	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/26 19:00*	*500*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 19:00*	*500*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/29/26 19:00*	*500*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/29/26 19:00*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.71**	**J**	0.96	0.14	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4-Dimethylphenol	**20**		0.96	0.56	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/18/26 22:38	05/20/26 19:01	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Methylnaphthalene	**17**		0.18	0.060	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Methylphenol	**57**	**E**	0.96	0.54	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Nitroaniline	ND	^c	4.8	0.53	ug/L		05/18/26 22:38	05/20/26 19:01	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/18/26 22:38	05/20/26 19:01	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/18/26 22:38	05/20/26 19:01	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/18/26 22:38	05/20/26 19:01	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/18/26 22:38	05/20/26 19:01	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/18/26 22:38	05/20/26 19:01	1
Acenaphthene	**0.24**		0.18	0.063	ug/L		05/18/26 22:38	05/20/26 19:01	1
Acenaphthylene	**0.41**		0.18	0.063	ug/L		05/18/26 22:38	05/20/26 19:01	1
Acetophenone	**16**		0.96	0.15	ug/L		05/18/26 22:38	05/20/26 19:01	1
Anthracene	**0.17**	**J**	0.18	0.047	ug/L		05/18/26 22:38	05/20/26 19:01	1
Atrazine	ND		0.96	0.28	ug/L		05/18/26 22:38	05/20/26 19:01	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/18/26 22:38	05/20/26 19:01	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/18/26 22:38	05/20/26 19:01	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/18/26 22:38	05/20/26 19:01	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/18/26 22:38	05/20/26 19:01	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/18/26 22:38	05/20/26 19:01	1

Client Sample ID: MW-31
Date Collected: 05/15/26 11:20
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/18/26 22:38	05/20/26 19:01	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/18/26 22:38	05/20/26 19:01	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/18/26 22:38	05/20/26 19:01	1
Bis(2-ethylhexyl) phthalate	ND	^c	9.6	2.0	ug/L		05/18/26 22:38	05/20/26 19:01	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/18/26 22:38	05/20/26 19:01	1
Caprolactam	ND	^c	4.8	0.65	ug/L		05/18/26 22:38	05/20/26 19:01	1
Carbazole	**1.3**		0.18	0.049	ug/L		05/18/26 22:38	05/20/26 19:01	1
Chrysene	ND		0.18	0.078	ug/L		05/18/26 22:38	05/20/26 19:01	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/18/26 22:38	05/20/26 19:01	1
Dibenzofuran	**0.60**	**J**	0.96	0.18	ug/L		05/18/26 22:38	05/20/26 19:01	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:01	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/18/26 22:38	05/20/26 19:01	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:01	1
Di-n-octyl phthalate	ND	^c *+	0.96	0.66	ug/L		05/18/26 22:38	05/20/26 19:01	1
Fluoranthene	**0.078**	**J**	0.18	0.058	ug/L		05/18/26 22:38	05/20/26 19:01	1
Fluorene	**0.43**		0.18	0.066	ug/L		05/18/26 22:38	05/20/26 19:01	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/18/26 22:38	05/20/26 19:01	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/18/26 22:38	05/20/26 19:01	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/18/26 22:38	05/20/26 19:01	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/18/26 22:38	05/20/26 19:01	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/18/26 22:38	05/20/26 19:01	1
Isophorone	ND		0.96	0.18	ug/L		05/18/26 22:38	05/20/26 19:01	1
Methylphenol, 3 & 4	**47**	**E**	0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:01	1
Naphthalene	**270**	**E ES**	0.18	0.057	ug/L		05/18/26 22:38	05/20/26 19:01	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/18/26 22:38	05/20/26 19:01	1
N-Nitrosodi-n-propylamine	ND	^c	0.18	0.068	ug/L		05/18/26 22:38	05/20/26 19:01	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:01	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/18/26 22:38	05/20/26 19:01	1
Phenanthrene	**0.29**		0.18	0.15	ug/L		05/18/26 22:38	05/20/26 19:01	1
Phenol	**81**	**E**	0.96	0.47	ug/L		05/18/26 22:38	05/20/26 19:01	1
Pyrene	ND		0.18	0.11	ug/L		05/18/26 22:38	05/20/26 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*23 - 128*	*05/18/26 22:38*	*05/20/26 19:01*	*1*
2-Fluorobiphenyl	*41*		*20 - 105*	*05/18/26 22:38*	*05/20/26 19:01*	*1*
2-Fluorophenol (Surr)	*34*		*20 - 105*	*05/18/26 22:38*	*05/20/26 19:01*	*1*
Nitrobenzene-d5 (Surr)	*43*		*20 - 107*	*05/18/26 22:38*	*05/20/26 19:01*	*1*
Phenol-d5 (Surr)	*41*		*20 - 106*	*05/18/26 22:38*	*05/20/26 19:01*	*1*
Terphenyl-d14 (Surr)	*40*		*22 - 120*	*05/18/26 22:38*	*05/20/26 19:01*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/18/26 22:38	05/21/26 14:26	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/18/26 22:38	05/21/26 14:26	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-31
Date Collected: 05/15/26 11:20
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Chlorophenol	ND		48	11	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Methylnaphthalene	**13**		9.1	3.0	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Methylphenol	**39**	**J**	48	27	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Nitroaniline	ND		240	26	ug/L		05/18/26 22:38	05/21/26 14:26	50
2-Nitrophenol	ND		48	9.3	ug/L		05/18/26 22:38	05/21/26 14:26	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/18/26 22:38	05/21/26 14:26	50
3-Nitroaniline	ND		240	21	ug/L		05/18/26 22:38	05/21/26 14:26	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Chloroaniline	ND		48	18	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Nitroaniline	ND		240	17	ug/L		05/18/26 22:38	05/21/26 14:26	50
4-Nitrophenol	ND		240	45	ug/L		05/18/26 22:38	05/21/26 14:26	50
Acenaphthene	ND		9.1	3.1	ug/L		05/18/26 22:38	05/21/26 14:26	50
Acenaphthylene	ND		9.1	3.1	ug/L		05/18/26 22:38	05/21/26 14:26	50
Acetophenone	**11**	**J**	48	7.6	ug/L		05/18/26 22:38	05/21/26 14:26	50
Anthracene	ND		9.1	2.4	ug/L		05/18/26 22:38	05/21/26 14:26	50
Atrazine	ND		48	14	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzaldehyde	ND		48	26	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/18/26 22:38	05/21/26 14:26	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/18/26 22:38	05/21/26 14:26	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/18/26 22:38	05/21/26 14:26	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/18/26 22:38	05/21/26 14:26	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/18/26 22:38	05/21/26 14:26	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/18/26 22:38	05/21/26 14:26	50
Caprolactam	ND	^c	240	33	ug/L		05/18/26 22:38	05/21/26 14:26	50
Carbazole	ND		9.1	2.5	ug/L		05/18/26 22:38	05/21/26 14:26	50
Chrysene	ND		9.1	3.9	ug/L		05/18/26 22:38	05/21/26 14:26	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/18/26 22:38	05/21/26 14:26	50
Dibenzofuran	ND		48	9.1	ug/L		05/18/26 22:38	05/21/26 14:26	50
Diethyl phthalate	ND		48	12	ug/L		05/18/26 22:38	05/21/26 14:26	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/18/26 22:38	05/21/26 14:26	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/18/26 22:38	05/21/26 14:26	50
Di-n-octyl phthalate	ND	^c *+	48	33	ug/L		05/18/26 22:38	05/21/26 14:26	50
Fluoranthene	ND		9.1	2.9	ug/L		05/18/26 22:38	05/21/26 14:26	50
Fluorene	ND		9.1	3.3	ug/L		05/18/26 22:38	05/21/26 14:26	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/18/26 22:38	05/21/26 14:26	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/21/26 14:26	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/18/26 22:38	05/21/26 14:26	50
Hexachloroethane	ND		48	15	ug/L		05/18/26 22:38	05/21/26 14:26	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/18/26 22:38	05/21/26 14:26	50
Isophorone	ND		48	9.0	ug/L		05/18/26 22:38	05/21/26 14:26	50
Methylphenol, 3 & 4	**33**	**J**	48	18	ug/L		05/18/26 22:38	05/21/26 14:26	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-31
Date Collected: 05/15/26 11:20
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**420**		9.1	2.8	ug/L		05/18/26 22:38	05/21/26 14:26	50
Nitrobenzene	ND		96	24	ug/L		05/18/26 22:38	05/21/26 14:26	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/18/26 22:38	05/21/26 14:26	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/18/26 22:38	05/21/26 14:26	50
Pentachlorophenol	ND		240	41	ug/L		05/18/26 22:38	05/21/26 14:26	50
Phenanthrene	ND		9.1	7.5	ug/L		05/18/26 22:38	05/21/26 14:26	50
Phenol	**59**		48	23	ug/L		05/18/26 22:38	05/21/26 14:26	50
Pyrene	ND		9.1	5.3	ug/L		05/18/26 22:38	05/21/26 14:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/18/26 22:38*	*05/21/26 14:26*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/18/26 22:38*	*05/21/26 14:26*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/18/26 22:38*	*05/21/26 14:26*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/18/26 22:38*	*05/21/26 14:26*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/18/26 22:38*	*05/21/26 14:26*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/18/26 22:38*	*05/21/26 14:26*	*50*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35S
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 20:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 20:50	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 20:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 20:50	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 20:50	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 20:50	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 20:50	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 20:50	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 20:50	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 20:50	1
2-Butanone	ND	^c *3	5.0	2.5	ug/L			05/29/26 20:50	1
2-Hexanone	ND	^c *3	5.0	2.0	ug/L			05/29/26 20:50	1
4-Methyl-2-pentanone	ND	^c *3 *+	5.0	1.0	ug/L			05/29/26 20:50	1
Acetone	**1.6**	**J ^c B *3**	5.0	1.5	ug/L			05/29/26 20:50	1
Benzene	**1.6**		0.50	0.10	ug/L			05/29/26 20:50	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 20:50	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Carbon disulfide	**0.24**	**J B**	1.0	0.10	ug/L			05/29/26 20:50	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 20:50	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 20:50	1
Chloromethane	ND	^c	0.50	0.22	ug/L			05/29/26 20:50	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 20:50	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 20:50	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/29/26 20:50	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Methylene Chloride	**0.21**	**J**	0.50	0.20	ug/L			05/29/26 20:50	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 20:50	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 20:50	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 20:50	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 20:50	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 20:50	1
Xylene (total)	**0.12**	**J**	1.0	0.070	ug/L			05/29/26 20:50	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35S

Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/29/26 20:50*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*05/29/26 20:50*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/29/26 20:50*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/29/26 20:50*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/18/26 22:38	05/21/26 14:47	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Chloronaphthalene	**0.074**	**J**	0.19	0.059	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Methylnaphthalene	**0.14**	**J**	0.19	0.062	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/18/26 22:38	05/21/26 14:47	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/18/26 22:38	05/21/26 14:47	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/18/26 22:38	05/21/26 14:47	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/18/26 22:38	05/21/26 14:47	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/18/26 22:38	05/21/26 14:47	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/18/26 22:38	05/21/26 14:47	1
Acenaphthene	**0.090**	**J**	0.19	0.065	ug/L		05/18/26 22:38	05/21/26 14:47	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/18/26 22:38	05/21/26 14:47	1
Acetophenone	**0.16**	**J**	1.0	0.16	ug/L		05/18/26 22:38	05/21/26 14:47	1
Anthracene	ND		0.19	0.049	ug/L		05/18/26 22:38	05/21/26 14:47	1
Atrazine	ND		1.0	0.30	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/18/26 22:38	05/21/26 14:47	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/18/26 22:38	05/21/26 14:47	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/18/26 22:38	05/21/26 14:47	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/18/26 22:38	05/21/26 14:47	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/18/26 22:38	05/21/26 14:47	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/18/26 22:38	05/21/26 14:47	1
Caprolactam	ND	^c	5.0	0.68	ug/L		05/18/26 22:38	05/21/26 14:47	1
Carbazole	ND		0.19	0.051	ug/L		05/18/26 22:38	05/21/26 14:47	1
Chrysene	ND		0.19	0.081	ug/L		05/18/26 22:38	05/21/26 14:47	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/18/26 22:38	05/21/26 14:47	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35S
Date Collected: 05/15/26 09:30
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-6
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/18/26 22:38	05/21/26 14:47	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/18/26 22:38	05/21/26 14:47	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/18/26 22:38	05/21/26 14:47	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/18/26 22:38	05/21/26 14:47	1
Di-n-octyl phthalate	ND	^c *+	1.0	0.69	ug/L		05/18/26 22:38	05/21/26 14:47	1
Fluoranthene	ND		0.19	0.060	ug/L		05/18/26 22:38	05/21/26 14:47	1
Fluorene	ND		0.19	0.069	ug/L		05/18/26 22:38	05/21/26 14:47	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/18/26 22:38	05/21/26 14:47	1
Hexachlorobutadiene	**0.17**	**J**	0.19	0.16	ug/L		05/18/26 22:38	05/21/26 14:47	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/18/26 22:38	05/21/26 14:47	1
Hexachloroethane	**0.33**	**J**	1.0	0.32	ug/L		05/18/26 22:38	05/21/26 14:47	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/18/26 22:38	05/21/26 14:47	1
Isophorone	ND		1.0	0.19	ug/L		05/18/26 22:38	05/21/26 14:47	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/18/26 22:38	05/21/26 14:47	1
Naphthalene	**0.37**		0.19	0.059	ug/L		05/18/26 22:38	05/21/26 14:47	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/18/26 22:38	05/21/26 14:47	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/18/26 22:38	05/21/26 14:47	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/18/26 22:38	05/21/26 14:47	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/18/26 22:38	05/21/26 14:47	1
Phenanthrene	ND		0.19	0.16	ug/L		05/18/26 22:38	05/21/26 14:47	1
Phenol	ND		1.0	0.49	ug/L		05/18/26 22:38	05/21/26 14:47	1
Pyrene	ND		0.19	0.11	ug/L		05/18/26 22:38	05/21/26 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*48*		*23 - 128*	*05/18/26 22:38*	*05/21/26 14:47*	*1*
2-Fluorobiphenyl	*46*		*20 - 105*	*05/18/26 22:38*	*05/21/26 14:47*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*05/18/26 22:38*	*05/21/26 14:47*	*1*
Nitrobenzene-d5 (Surr)	*43*		*20 - 107*	*05/18/26 22:38*	*05/21/26 14:47*	*1*
Phenol-d5 (Surr)	*44*		*20 - 106*	*05/18/26 22:38*	*05/21/26 14:47*	*1*
Terphenyl-d14 (Surr)	*55*		*22 - 120*	*05/18/26 22:38*	*05/21/26 14:47*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35D

Date Collected: 05/15/26 10:40
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 15:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 15:19	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 15:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 15:19	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 15:19	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 15:19	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 15:19	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 15:19	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 15:19	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 15:19	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 15:19	1
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 15:19	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 15:19	1
Acetone	ND		5.0	1.5	ug/L			05/29/26 15:19	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 15:19	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Carbon disulfide	**0.15**	**J B**	1.0	0.10	ug/L			05/29/26 15:19	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 15:19	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 15:19	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 15:19	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 15:19	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 15:19	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 15:19	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Methylcyclohexane	ND	^c	0.50	0.10	ug/L			05/29/26 15:19	1
Methylene Chloride	**0.24**	**J**	0.50	0.20	ug/L			05/29/26 15:19	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 15:19	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 15:19	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 15:19	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 15:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 15:19	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 15:19	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35D

Date Collected: 05/15/26 10:40
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-7

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/29/26 15:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 15:19*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/29/26 15:19*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 15:19*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/18/26 22:38	05/20/26 19:43	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Chlorophenol	**0.28**	**J**	0.96	0.22	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Methylnaphthalene	**0.13**	**J**	0.18	0.060	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Nitroaniline	ND	^c	4.8	0.53	ug/L		05/18/26 22:38	05/20/26 19:43	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/18/26 22:38	05/20/26 19:43	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/18/26 22:38	05/20/26 19:43	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/18/26 22:38	05/20/26 19:43	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/18/26 22:38	05/20/26 19:43	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/18/26 22:38	05/20/26 19:43	1
Acenaphthene	**0.091**	**J**	0.18	0.063	ug/L		05/18/26 22:38	05/20/26 19:43	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/18/26 22:38	05/20/26 19:43	1
Acetophenone	**0.15**	**J**	0.96	0.15	ug/L		05/18/26 22:38	05/20/26 19:43	1
Anthracene	ND		0.18	0.047	ug/L		05/18/26 22:38	05/20/26 19:43	1
Atrazine	ND		0.96	0.28	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/18/26 22:38	05/20/26 19:43	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/18/26 22:38	05/20/26 19:43	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/18/26 22:38	05/20/26 19:43	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/18/26 22:38	05/20/26 19:43	1
Bis(2-ethylhexyl) phthalate	ND	^c	9.6	2.0	ug/L		05/18/26 22:38	05/20/26 19:43	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/18/26 22:38	05/20/26 19:43	1
Caprolactam	ND	^c	4.8	0.65	ug/L		05/18/26 22:38	05/20/26 19:43	1
Carbazole	ND		0.18	0.049	ug/L		05/18/26 22:38	05/20/26 19:43	1
Chrysene	ND		0.18	0.078	ug/L		05/18/26 22:38	05/20/26 19:43	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/18/26 22:38	05/20/26 19:43	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: MW-35D
Date Collected: 05/15/26 10:40
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-7
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/18/26 22:38	05/20/26 19:43	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:43	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/18/26 22:38	05/20/26 19:43	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:43	1
Di-n-octyl phthalate	ND	^c *+	0.96	0.66	ug/L		05/18/26 22:38	05/20/26 19:43	1
Fluoranthene	ND		0.18	0.058	ug/L		05/18/26 22:38	05/20/26 19:43	1
Fluorene	ND		0.18	0.066	ug/L		05/18/26 22:38	05/20/26 19:43	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/18/26 22:38	05/20/26 19:43	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/18/26 22:38	05/20/26 19:43	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/18/26 22:38	05/20/26 19:43	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/18/26 22:38	05/20/26 19:43	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/18/26 22:38	05/20/26 19:43	1
Isophorone	ND		0.96	0.18	ug/L		05/18/26 22:38	05/20/26 19:43	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/18/26 22:38	05/20/26 19:43	1
Naphthalene	**0.34**		0.18	0.057	ug/L		05/18/26 22:38	05/20/26 19:43	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/18/26 22:38	05/20/26 19:43	1
N-Nitrosodi-n-propylamine	ND	^c	0.18	0.068	ug/L		05/18/26 22:38	05/20/26 19:43	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/18/26 22:38	05/20/26 19:43	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/18/26 22:38	05/20/26 19:43	1
Phenanthrene	ND		0.18	0.15	ug/L		05/18/26 22:38	05/20/26 19:43	1
Phenol	ND		0.96	0.47	ug/L		05/18/26 22:38	05/20/26 19:43	1
Pyrene	ND		0.18	0.11	ug/L		05/18/26 22:38	05/20/26 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*23 - 128*	*05/18/26 22:38*	*05/20/26 19:43*	*1*
2-Fluorobiphenyl	*45*		*20 - 105*	*05/18/26 22:38*	*05/20/26 19:43*	*1*
2-Fluorophenol (Surr)	*41*		*20 - 105*	*05/18/26 22:38*	*05/20/26 19:43*	*1*
Nitrobenzene-d5 (Surr)	*47*		*20 - 107*	*05/18/26 22:38*	*05/20/26 19:43*	*1*
Phenol-d5 (Surr)	*45*		*20 - 106*	*05/18/26 22:38*	*05/20/26 19:43*	*1*
Terphenyl-d14 (Surr)	*54*		*22 - 120*	*05/18/26 22:38*	*05/20/26 19:43*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: TB-5

Date Collected: 05/15/26 00:00
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 22:06	1
1,1,2,2-Tetrachloroethane	ND	^c	0.50	0.10	ug/L			05/29/26 22:06	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 22:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 22:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 22:06	1
1,2-Dibromo-3-Chloropropane	ND	^c	0.50	0.25	ug/L			05/29/26 22:06	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 22:06	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 22:06	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 22:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 22:06	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 22:06	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 22:06	1
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 22:06	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 22:06	1
Acetone	**6.1**		5.0	1.5	ug/L			05/29/26 22:06	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 22:06	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/29/26 22:06	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 22:06	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 22:06	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 22:06	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 22:06	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 22:06	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 22:06	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Methyl acetate	ND	^c	1.0	0.20	ug/L			05/29/26 22:06	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Methylene Chloride	**0.79**		0.50	0.20	ug/L			05/29/26 22:06	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 22:06	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 22:06	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 22:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 22:06	1
trans-1,3-Dichloropropene	ND	^c	0.50	0.080	ug/L			05/29/26 22:06	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 22:06	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/29/26 22:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 22:06	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 22:06	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205518-1

Client Sample ID: TB-5
Date Collected: 05/15/26 00:00
Date Received: 05/16/26 09:35

Lab Sample ID: 180-205518-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		05/29/26 22:06	1
4-Bromofluorobenzene (Surr)	108		80 - 120		05/29/26 22:06	1
Dibromofluoromethane (Surr)	96		80 - 120		05/29/26 22:06	1
Toluene-d8 (Surr)	111		80 - 120		05/29/26 22:06	1

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

Lab Sample ID: MB 410-826000/7
Matrix: Water
Analysis Batch: 826000

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		0.50	0.080	ug/L			05/29/26 11:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 11:55	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 11:55	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 11:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 11:55	1
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 11:55	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 11:55	1
Acetone	3.38	J B	5.0	1.5	ug/L			05/29/26 11:55	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 11:55	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Carbon disulfide	0.265	J B	1.0	0.10	ug/L			05/29/26 11:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 11:55	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 11:55	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 11:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 11:55	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 11:55	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 11:55	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 11:55	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 11:55	1

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

Lab Sample ID: MB 410-826000/7
Matrix: Water
Analysis Batch: 826000

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/29/26 11:55*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*05/29/26 11:55*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/29/26 11:55*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/29/26 11:55*	*1*

Lab Sample ID: MB 410-826000/8
Matrix: Water
Analysis Batch: 826000

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		0.50	0.080	ug/L			05/29/26 12:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 12:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 12:17	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 12:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
2-Butanone	ND	*3	5.0	2.5	ug/L			05/29/26 12:17	1
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/29/26 12:17	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/29/26 12:17	1
Acetone	3.18	J B *3	5.0	1.5	ug/L			05/29/26 12:17	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 12:17	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Carbon disulfide	0.268	J B	1.0	0.10	ug/L			05/29/26 12:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 12:17	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 12:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 12:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 12:17	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/29/26 12:17	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 12:17	1

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

Lab Sample ID: MB 410-826000/8
Matrix: Water
Analysis Batch: 826000

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 12:17	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 12:17	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/29/26 12:17*	*1*
4-Bromofluorobenzene (Surr)	*85*		*80 - 120*		*05/29/26 12:17*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/29/26 12:17*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/29/26 12:17*	*1*

Lab Sample ID: LCS 410-826000/5
Matrix: Water
Analysis Batch: 826000

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	5.00	5.15		ug/L		103	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.67		ug/L		113	75 - 130
1,1,2-Trichloroethane	5.00	5.49		ug/L		110	80 - 120
1,1-Dichloroethane	5.00	5.49		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	6.31		ug/L		126	80 - 131
1,2,4-Trichlorobenzene	5.00	4.56		ug/L		91	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.32		ug/L		86	60 - 124
1,2-Dibromoethane	5.00	5.27		ug/L		105	80 - 120
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	5.40		ug/L		108	79 - 128
1,2-Dichloropropane	5.00	5.66		ug/L		113	80 - 129
1,3-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 120
1,4-Dichlorobenzene	5.00	5.11		ug/L		102	80 - 120
2-Butanone	62.5	88.1		ug/L		141	67 - 141
2-Hexanone	62.5	90.9		ug/L		145	62 - 151
4-Methyl-2-pentanone	62.5	91.8	*+	ug/L		147	63 - 140
Acetone	62.5	86.9		ug/L		139	60 - 146
Benzene	5.00	5.37		ug/L		107	80 - 120
Bromodichloromethane	5.00	5.34		ug/L		107	80 - 123
Bromoform	5.00	4.83		ug/L		97	67 - 134
Bromomethane	5.00	5.45		ug/L		109	63 - 126
Carbon disulfide	5.00	5.54		ug/L		111	67 - 130
Carbon tetrachloride	5.00	5.13		ug/L		103	77 - 132
Chlorobenzene	5.00	5.40		ug/L		108	80 - 120
Chloroethane	5.00	6.23		ug/L		125	63 - 132
Chloroform	5.00	5.32		ug/L		106	80 - 120

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

Lab Sample ID: LCS 410-826000/5
Matrix: Water
Analysis Batch: 826000

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	5.00	6.09		ug/L		122	56 - 131
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122
cis-1,3-Dichloropropene	5.00	4.78		ug/L		96	75 - 121
Cyclohexane	5.00	5.47		ug/L		109	69 - 120
Dibromochloromethane	5.00	5.19		ug/L		104	80 - 123
Dichlorodifluoromethane	5.00	4.37		ug/L		87	43 - 137
Ethylbenzene	5.00	5.55		ug/L		111	80 - 120
Freon 113	5.00	6.14		ug/L		123	61 - 124
Isopropylbenzene	5.00	5.36		ug/L		107	87 - 133
Methyl acetate	5.00	6.39		ug/L		128	45 - 143
Methyl tertiary butyl ether	5.00	4.60		ug/L		92	69 - 120
Methylcyclohexane	5.00	5.08		ug/L		102	69 - 126
Methylene Chloride	5.00	5.11		ug/L		102	80 - 120
Styrene	5.00	5.34		ug/L		107	80 - 120
Tetrachloroethene	5.00	4.82		ug/L		96	80 - 120
Toluene	5.00	5.46		ug/L		109	80 - 120
trans-1,2-Dichloroethene	5.00	5.06		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	5.31		ug/L		106	76 - 123
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	4.46		ug/L		89	53 - 136
Vinyl chloride	5.00	5.91		ug/L		118	60 - 125
Xylene (total)	15.0	16.1		ug/L		108	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 410-826006/8
Matrix: Water
Analysis Batch: 826006

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		0.50	0.080	ug/L			05/29/26 11:13	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 11:13	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 11:13	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 11:13	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 11:13	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:13	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 11:13	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:13	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:13	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 11:13	1

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

Lab Sample ID: MB 410-826006/8
Matrix: Water
Analysis Batch: 826006

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 11:13	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 11:13	1
Acetone	ND		5.0	1.5	ug/L			05/29/26 11:13	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 11:13	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Carbon disulfide	0.131	J B	1.0	0.10	ug/L			05/29/26 11:13	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:13	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 11:13	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 11:13	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 11:13	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 11:13	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 11:13	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 11:13	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 11:13	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 11:13	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:13	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:13	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 11:13	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/29/26 11:13*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/29/26 11:13*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/29/26 11:13*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 11:13*	*1*

Lab Sample ID: LCS 410-826006/5
Matrix: Water
Analysis Batch: 826006

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	5.00	5.45		ug/L		109	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.53		ug/L		111	75 - 130

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

Lab Sample ID: LCS 410-826006/5
Matrix: Water
Analysis Batch: 826006

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.40		ug/L		108	80 - 120
1,1-Dichloroethane	5.00	5.59		ug/L		112	80 - 128
1,1-Dichloroethene	5.00	5.46		ug/L		109	80 - 131
1,2,4-Trichlorobenzene	5.00	5.73		ug/L		115	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.70		ug/L		94	60 - 124
1,2-Dibromoethane	5.00	5.64		ug/L		113	80 - 120
1,2-Dichlorobenzene	5.00	5.47		ug/L		109	80 - 120
1,2-Dichloroethane	5.00	5.28		ug/L		106	79 - 128
1,2-Dichloropropane	5.00	5.48		ug/L		110	80 - 129
1,3-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 120
1,4-Dichlorobenzene	5.00	5.37		ug/L		107	80 - 120
2-Butanone	62.5	53.9		ug/L		86	67 - 141
2-Hexanone	62.5	62.4		ug/L		100	62 - 151
4-Methyl-2-pentanone	62.5	63.7		ug/L		102	63 - 140
Acetone	62.5	44.5		ug/L		71	60 - 146
Benzene	5.00	5.29		ug/L		106	80 - 120
Bromodichloromethane	5.00	5.30		ug/L		106	80 - 123
Bromoform	5.00	5.37		ug/L		107	67 - 134
Bromomethane	5.00	5.35		ug/L		107	63 - 126
Carbon disulfide	5.00	5.41		ug/L		108	67 - 130
Carbon tetrachloride	5.00	5.50		ug/L		110	77 - 132
Chlorobenzene	5.00	5.45		ug/L		109	80 - 120
Chloroethane	5.00	5.73		ug/L		115	63 - 132
Chloroform	5.00	5.54		ug/L		111	80 - 120
Chloromethane	5.00	5.26		ug/L		105	56 - 131
cis-1,2-Dichloroethene	5.00	5.76		ug/L		115	80 - 122
cis-1,3-Dichloropropene	5.00	5.11		ug/L		102	75 - 121
Cyclohexane	5.00	5.39		ug/L		108	69 - 120
Dibromochloromethane	5.00	5.22		ug/L		104	80 - 123
Dichlorodifluoromethane	5.00	4.78		ug/L		96	43 - 137
Ethylbenzene	5.00	5.35		ug/L		107	80 - 120
Freon 113	5.00	5.23		ug/L		105	61 - 124
Isopropylbenzene	5.00	5.55		ug/L		111	87 - 133
Methyl acetate	5.00	3.88		ug/L		78	45 - 143
Methyl tertiary butyl ether	5.00	5.43		ug/L		109	69 - 120
Methylcyclohexane	5.00	5.51		ug/L		110	69 - 126
Methylene Chloride	5.00	5.31		ug/L		106	80 - 120
Styrene	5.00	5.62		ug/L		112	80 - 120
Tetrachloroethene	5.00	5.09		ug/L		102	80 - 120
Toluene	5.00	5.20		ug/L		104	80 - 120
trans-1,2-Dichloroethene	5.00	5.17		ug/L		103	80 - 122
trans-1,3-Dichloropropene	5.00	5.28		ug/L		106	76 - 123
Trichloroethene	5.00	5.35		ug/L		107	80 - 120
Trichlorofluoromethane	5.00	4.61		ug/L		92	53 - 136
Vinyl chloride	5.00	5.42		ug/L		108	60 - 125
Xylene (total)	15.0	16.5		ug/L		110	80 - 120

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

Lab Sample ID: LCS 410-826006/5
Matrix: Water
Analysis Batch: 826006

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 180-205518-1 MS
Matrix: Water
Analysis Batch: 826006

Client Sample ID: MW-8S
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		50.0	54.2		ug/L		108	78 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	56.3		ug/L		113	75 - 130
1,1,2-Trichloroethane	ND		50.0	53.2		ug/L		106	80 - 120
1,1-Dichloroethane	ND		50.0	55.4		ug/L		111	80 - 128
1,1-Dichloroethene	ND		50.0	52.9		ug/L		106	80 - 131
1,2,4-Trichlorobenzene	ND		50.0	57.4		ug/L		115	68 - 122
1,2-Dibromo-3-Chloropropane	ND		50.0	44.7		ug/L		89	60 - 124
1,2-Dibromoethane	ND		50.0	55.3		ug/L		111	80 - 120
1,2-Dichlorobenzene	ND		50.0	54.5		ug/L		109	80 - 120
1,2-Dichloroethane	ND		50.0	55.3		ug/L		111	79 - 128
1,2-Dichloropropane	ND		50.0	53.3		ug/L		107	80 - 129
1,3-Dichlorobenzene	ND		50.0	55.0		ug/L		110	80 - 120
1,4-Dichlorobenzene	ND		50.0	54.2		ug/L		108	80 - 120
2-Butanone	ND		625	559		ug/L		89	67 - 141
2-Hexanone	ND		625	625		ug/L		100	62 - 151
4-Methyl-2-pentanone	ND		625	637		ug/L		102	63 - 140
Acetone	ND		625	422		ug/L		67	60 - 146
Benzene	34		50.0	85.3		ug/L		103	80 - 120
Bromodichloromethane	ND		50.0	52.1		ug/L		104	80 - 123
Bromoform	ND		50.0	53.5		ug/L		107	67 - 134
Bromomethane	ND		50.0	52.2		ug/L		104	63 - 126
Carbon disulfide	1.7	J B	50.0	51.8		ug/L		100	67 - 130
Carbon tetrachloride	ND		50.0	54.2		ug/L		108	77 - 132
Chlorobenzene	ND		50.0	54.3		ug/L		109	80 - 120
Chloroethane	ND		50.0	55.7		ug/L		111	63 - 132
Chloroform	ND		50.0	54.9		ug/L		110	80 - 120
Chloromethane	ND		50.0	52.8		ug/L		106	56 - 131
cis-1,2-Dichloroethene	ND		50.0	56.2		ug/L		112	80 - 122
cis-1,3-Dichloropropene	ND		50.0	50.1		ug/L		100	75 - 121
Cyclohexane	ND		50.0	51.8		ug/L		104	69 - 120
Dibromochloromethane	ND		50.0	51.9		ug/L		104	80 - 123
Dichlorodifluoromethane	ND		50.0	46.6		ug/L		93	43 - 137
Ethylbenzene	2.3	J	50.0	57.0		ug/L		109	80 - 120
Freon 113	ND		50.0	51.2		ug/L		102	61 - 124
Isopropylbenzene	0.91	J	50.0	57.1		ug/L		112	87 - 133
Methyl acetate	ND		50.0	36.2		ug/L		72	45 - 143
Methyl tertiary butyl ether	ND		50.0	53.6		ug/L		107	69 - 120
Methylcyclohexane	ND	^c	50.0	52.5		ug/L		105	69 - 126

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

Lab Sample ID: 180-205518-1 MS
Matrix: Water
Analysis Batch: 826006

Client Sample ID: MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	ND		50.0	52.0		ug/L		104	80 - 120
Styrene	ND		50.0	56.2		ug/L		112	80 - 120
Tetrachloroethene	ND		50.0	51.4		ug/L		103	80 - 120
Toluene	ND		50.0	52.6		ug/L		105	80 - 120
trans-1,2-Dichloroethene	ND		50.0	51.9		ug/L		104	80 - 122
trans-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	76 - 123
Trichloroethene	ND		50.0	52.9		ug/L		106	80 - 120
Trichlorofluoromethane	ND		50.0	44.5		ug/L		89	53 - 136
Vinyl chloride	ND		50.0	53.3		ug/L		107	60 - 125
Xylene (total)	5.9	J	150	173		ug/L		111	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 180-205518-1 MSD
Matrix: Water
Analysis Batch: 826006

Client Sample ID: MW-8S
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		50.0	54.7		ug/L		109	78 - 126	1	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.8		ug/L		112	75 - 130	1	30
1,1,2-Trichloroethane	ND		50.0	53.4		ug/L		107	80 - 120	0	30
1,1-Dichloroethane	ND		50.0	55.0		ug/L		110	80 - 128	1	30
1,1-Dichloroethene	ND		50.0	53.9		ug/L		108	80 - 131	2	30
1,2,4-Trichlorobenzene	ND		50.0	57.9		ug/L		116	68 - 122	1	30
1,2-Dibromo-3-Chloropropane	ND		50.0	45.2		ug/L		90	60 - 124	1	30
1,2-Dibromoethane	ND		50.0	56.6		ug/L		113	80 - 120	2	30
1,2-Dichlorobenzene	ND		50.0	53.7		ug/L		107	80 - 120	1	30
1,2-Dichloroethane	ND		50.0	53.9		ug/L		108	79 - 128	2	30
1,2-Dichloropropane	ND		50.0	54.1		ug/L		108	80 - 129	2	30
1,3-Dichlorobenzene	ND		50.0	55.1		ug/L		110	80 - 120	0	30
1,4-Dichlorobenzene	ND		50.0	54.1		ug/L		108	80 - 120	0	30
2-Butanone	ND		625	523		ug/L		84	67 - 141	7	30
2-Hexanone	ND		625	641		ug/L		103	62 - 151	3	30
4-Methyl-2-pentanone	ND		625	652		ug/L		104	63 - 140	2	30
Acetone	ND		625	432		ug/L		69	60 - 146	2	30
Benzene	34		50.0	85.6		ug/L		104	80 - 120	0	30
Bromodichloromethane	ND		50.0	53.2		ug/L		106	80 - 123	2	30
Bromoform	ND		50.0	53.3		ug/L		107	67 - 134	0	30
Bromomethane	ND		50.0	52.1		ug/L		104	63 - 126	0	30
Carbon disulfide	1.7	J B	50.0	52.4		ug/L		101	67 - 130	1	30
Carbon tetrachloride	ND		50.0	55.3		ug/L		111	77 - 132	2	30
Chlorobenzene	ND		50.0	54.8		ug/L		110	80 - 120	1	30
Chloroethane	ND		50.0	57.0		ug/L		114	63 - 132	2	30
Chloroform	ND		50.0	55.3		ug/L		111	80 - 120	1	30

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

Lab Sample ID: 180-205518-1 MSD
Matrix: Water
Analysis Batch: 826006

Client Sample ID: MW-8S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane	ND		50.0	51.1		ug/L		102	56 - 131	3	30
cis-1,2-Dichloroethene	ND		50.0	56.4		ug/L		113	80 - 122	0	30
cis-1,3-Dichloropropene	ND		50.0	50.6		ug/L		101	75 - 121	1	30
Cyclohexane	ND		50.0	51.7		ug/L		103	69 - 120	0	30
Dibromochloromethane	ND		50.0	52.2		ug/L		104	80 - 123	1	30
Dichlorodifluoromethane	ND		50.0	45.3		ug/L		91	43 - 137	3	30
Ethylbenzene	2.3	J	50.0	56.8		ug/L		109	80 - 120	0	30
Freon 113	ND		50.0	50.9		ug/L		102	61 - 124	1	30
Isopropylbenzene	0.91	J	50.0	57.4		ug/L		113	87 - 133	1	30
Methyl acetate	ND		50.0	37.9		ug/L		76	45 - 143	4	30
Methyl tertiary butyl ether	ND		50.0	53.4		ug/L		107	69 - 120	0	30
Methylcyclohexane	ND	^c	50.0	53.1		ug/L		106	69 - 126	1	30
Methylene Chloride	ND		50.0	52.8		ug/L		106	80 - 120	2	30
Styrene	ND		50.0	56.6		ug/L		113	80 - 120	1	30
Tetrachloroethene	ND		50.0	51.1		ug/L		102	80 - 120	1	30
Toluene	ND		50.0	53.3		ug/L		107	80 - 120	1	30
trans-1,2-Dichloroethene	ND		50.0	51.8		ug/L		104	80 - 122	0	30
trans-1,3-Dichloropropene	ND		50.0	52.4		ug/L		105	76 - 123	0	30
Trichloroethene	ND		50.0	52.8		ug/L		106	80 - 120	0	30
Trichlorofluoromethane	ND		50.0	45.5		ug/L		91	53 - 136	2	30
Vinyl chloride	ND		50.0	52.8		ug/L		106	60 - 125	1	30
Xylene (total)	5.9	J	150	173		ug/L		112	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 410-826443/8
Matrix: Water
Analysis Batch: 826443

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		0.50	0.080	ug/L			05/29/26 21:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 21:22	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 21:22	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 21:22	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 21:22	1

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

Lab Sample ID: MB 410-826443/8
Matrix: Water
Analysis Batch: 826443

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 21:22	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 21:22	1
Acetone	ND		5.0	1.5	ug/L			05/29/26 21:22	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 21:22	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/29/26 21:22	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 21:22	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 21:22	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 21:22	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 21:22	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 21:22	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 21:22	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 21:22	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 21:22	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 21:22	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 21:22	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 21:22	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 21:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/29/26 21:22*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*05/29/26 21:22*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/29/26 21:22*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*05/29/26 21:22*	*1*

Lab Sample ID: LCS 410-826443/5
Matrix: Water
Analysis Batch: 826443

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	5.00	4.69		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	6.20		ug/L		124	75 - 130

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

Lab Sample ID: LCS 410-826443/5
Matrix: Water
Analysis Batch: 826443

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.60		ug/L		112	80 - 120
1,1-Dichloroethane	5.00	5.52		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	4.85		ug/L		97	80 - 131
1,2,4-Trichlorobenzene	5.00	4.82		ug/L		96	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.32		ug/L		106	60 - 124
1,2-Dibromoethane	5.00	5.36		ug/L		107	80 - 120
1,2-Dichlorobenzene	5.00	5.05		ug/L		101	80 - 120
1,2-Dichloroethane	5.00	5.47		ug/L		109	79 - 128
1,2-Dichloropropane	5.00	5.55		ug/L		111	80 - 129
1,3-Dichlorobenzene	5.00	5.00		ug/L		100	80 - 120
1,4-Dichlorobenzene	5.00	4.93		ug/L		99	80 - 120
2-Butanone	62.5	65.7		ug/L		105	67 - 141
2-Hexanone	62.5	69.0		ug/L		110	62 - 151
4-Methyl-2-pentanone	62.5	70.1		ug/L		112	63 - 140
Acetone	62.5	61.9		ug/L		99	60 - 146
Benzene	5.00	4.86		ug/L		97	80 - 120
Bromodichloromethane	5.00	4.90		ug/L		98	80 - 123
Bromoform	5.00	4.41		ug/L		88	67 - 134
Bromomethane	5.00	4.06		ug/L		81	63 - 126
Carbon disulfide	5.00	4.70		ug/L		94	67 - 130
Carbon tetrachloride	5.00	4.46		ug/L		89	77 - 132
Chlorobenzene	5.00	5.03		ug/L		101	80 - 120
Chloroethane	5.00	4.43		ug/L		89	63 - 132
Chloroform	5.00	4.39		ug/L		88	80 - 120
Chloromethane	5.00	4.44		ug/L		89	56 - 131
cis-1,2-Dichloroethene	5.00	4.80		ug/L		96	80 - 122
cis-1,3-Dichloropropene	5.00	4.98		ug/L		100	75 - 121
Cyclohexane	5.00	5.45		ug/L		109	69 - 120
Dibromochloromethane	5.00	4.77		ug/L		95	80 - 123
Dichlorodifluoromethane	5.00	3.93		ug/L		79	43 - 137
Ethylbenzene	5.00	5.25		ug/L		105	80 - 120
Freon 113	5.00	4.76		ug/L		95	61 - 124
Isopropylbenzene	5.00	5.17		ug/L		103	87 - 133
Methyl acetate	5.00	6.76		ug/L		135	45 - 143
Methyl tertiary butyl ether	5.00	5.10		ug/L		102	69 - 120
Methylcyclohexane	5.00	5.02		ug/L		100	69 - 126
Methylene Chloride	5.00	5.83		ug/L		117	80 - 120
Styrene	5.00	5.07		ug/L		101	80 - 120
Tetrachloroethene	5.00	4.26		ug/L		85	80 - 120
Toluene	5.00	5.12		ug/L		102	80 - 120
trans-1,2-Dichloroethene	5.00	4.61		ug/L		92	80 - 122
trans-1,3-Dichloropropene	5.00	5.84		ug/L		117	76 - 123
Trichloroethene	5.00	4.61		ug/L		92	80 - 120
Trichlorofluoromethane	5.00	3.04		ug/L		61	53 - 136
Vinyl chloride	5.00	4.45		ug/L		89	60 - 125
Xylene (total)	15.0	15.0		ug/L		100	80 - 120

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

Lab Sample ID: LCS 410-826443/5
Matrix: Water
Analysis Batch: 826443

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: LCSD 410-826443/6
Matrix: Water
Analysis Batch: 826443

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.65		ug/L		93	78 - 126	1	30
1,1,2,2-Tetrachloroethane			5.00	6.21		ug/L		124	75 - 130	0	30
1,1,2-Trichloroethane			5.00	5.63		ug/L		113	80 - 120	1	30
1,1-Dichloroethane			5.00	5.50		ug/L		110	80 - 128	0	30
1,1-Dichloroethene			5.00	4.77		ug/L		95	80 - 131	2	30
1,2,4-Trichlorobenzene			5.00	4.72		ug/L		94	68 - 122	2	30
1,2-Dibromo-3-Chloropropane			5.00	5.38		ug/L		108	60 - 124	1	30
1,2-Dibromoethane			5.00	5.39		ug/L		108	80 - 120	1	30
1,2-Dichlorobenzene			5.00	5.07		ug/L		101	80 - 120	0	30
1,2-Dichloroethane			5.00	5.49		ug/L		110	79 - 128	0	30
1,2-Dichloropropane			5.00	5.48		ug/L		110	80 - 129	1	30
1,3-Dichlorobenzene			5.00	4.97		ug/L		99	80 - 120	1	30
1,4-Dichlorobenzene			5.00	4.94		ug/L		99	80 - 120	0	30
2-Butanone			62.5	64.9		ug/L		104	67 - 141	1	30
2-Hexanone			62.5	69.2		ug/L		111	62 - 151	0	30
4-Methyl-2-pentanone			62.5	70.1		ug/L		112	63 - 140	0	30
Acetone			62.5	62.2		ug/L		99	60 - 146	0	30
Benzene			5.00	4.85		ug/L		97	80 - 120	0	30
Bromodichloromethane			5.00	4.91		ug/L		98	80 - 123	0	30
Bromoform			5.00	4.44		ug/L		89	67 - 134	1	30
Bromomethane			5.00	4.08		ug/L		82	63 - 126	0	30
Carbon disulfide			5.00	4.67		ug/L		93	67 - 130	1	30
Carbon tetrachloride			5.00	4.47		ug/L		89	77 - 132	0	30
Chlorobenzene			5.00	4.98		ug/L		100	80 - 120	1	30
Chloroethane			5.00	4.40		ug/L		88	63 - 132	1	30
Chloroform			5.00	4.37		ug/L		87	80 - 120	0	30
Chloromethane			5.00	4.46		ug/L		89	56 - 131	0	30
cis-1,2-Dichloroethene			5.00	4.72		ug/L		94	80 - 122	2	30
cis-1,3-Dichloropropene			5.00	4.98		ug/L		100	75 - 121	0	30
Cyclohexane			5.00	5.42		ug/L		108	69 - 120	1	30
Dibromochloromethane			5.00	4.78		ug/L		96	80 - 123	0	30
Dichlorodifluoromethane			5.00	4.14		ug/L		83	43 - 137	5	30
Ethylbenzene			5.00	5.28		ug/L		106	80 - 120	1	30
Freon 113			5.00	4.69		ug/L		94	61 - 124	1	30
Isopropylbenzene			5.00	5.15		ug/L		103	87 - 133	0	30
Methyl acetate			5.00	6.83		ug/L		137	45 - 143	1	30
Methyl tertiary butyl ether			5.00	5.17		ug/L		103	69 - 120	1	30
Methylcyclohexane			5.00	4.97		ug/L		99	69 - 126	1	30

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

Lab Sample ID: LCSD 410-826443/6
Matrix: Water
Analysis Batch: 826443

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride			5.00	5.78		ug/L		116	80 - 120	1	30
Styrene			5.00	5.08		ug/L		102	80 - 120	0	30
Tetrachloroethene			5.00	4.32		ug/L		86	80 - 120	2	30
Toluene			5.00	5.14		ug/L		103	80 - 120	1	30
trans-1,2-Dichloroethene			5.00	4.70		ug/L		94	80 - 122	2	30
trans-1,3-Dichloropropene			5.00	5.96		ug/L		119	76 - 123	2	30
Trichloroethene			5.00	4.69		ug/L		94	80 - 120	2	30
Trichlorofluoromethane			5.00	3.00		ug/L		60	53 - 136	1	30
Vinyl chloride			5.00	4.38		ug/L		88	60 - 125	2	30
Xylene (total)			15.0	15.0		ug/L		100	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 120*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-513955/1-A
Matrix: Water
Analysis Batch: 514029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/18/26 22:38	05/20/26 11:56	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/18/26 22:38	05/20/26 11:56	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/18/26 22:38	05/20/26 11:56	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/18/26 22:38	05/20/26 11:56	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/18/26 22:38	05/20/26 11:56	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/18/26 22:38	05/20/26 11:56	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/18/26 22:38	05/20/26 11:56	1
Acenaphthene	ND		0.19	0.065	ug/L		05/18/26 22:38	05/20/26 11:56	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513955/1-A
Matrix: Water
Analysis Batch: 514029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.19	0.065	ug/L		05/18/26 22:38	05/20/26 11:56	1
Acetophenone	ND		1.0	0.16	ug/L		05/18/26 22:38	05/20/26 11:56	1
Anthracene	ND		0.19	0.049	ug/L		05/18/26 22:38	05/20/26 11:56	1
Atrazine	ND		1.0	0.30	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/18/26 22:38	05/20/26 11:56	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/18/26 22:38	05/20/26 11:56	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/18/26 22:38	05/20/26 11:56	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/18/26 22:38	05/20/26 11:56	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/18/26 22:38	05/20/26 11:56	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/18/26 22:38	05/20/26 11:56	1
Caprolactam	ND		5.0	0.68	ug/L		05/18/26 22:38	05/20/26 11:56	1
Carbazole	ND		0.19	0.051	ug/L		05/18/26 22:38	05/20/26 11:56	1
Chrysene	ND		0.19	0.081	ug/L		05/18/26 22:38	05/20/26 11:56	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/18/26 22:38	05/20/26 11:56	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/18/26 22:38	05/20/26 11:56	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/18/26 22:38	05/20/26 11:56	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/18/26 22:38	05/20/26 11:56	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/18/26 22:38	05/20/26 11:56	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/18/26 22:38	05/20/26 11:56	1
Fluoranthene	ND		0.19	0.060	ug/L		05/18/26 22:38	05/20/26 11:56	1
Fluorene	ND		0.19	0.069	ug/L		05/18/26 22:38	05/20/26 11:56	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/18/26 22:38	05/20/26 11:56	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/18/26 22:38	05/20/26 11:56	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/18/26 22:38	05/20/26 11:56	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/18/26 22:38	05/20/26 11:56	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/18/26 22:38	05/20/26 11:56	1
Isophorone	ND		1.0	0.19	ug/L		05/18/26 22:38	05/20/26 11:56	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/18/26 22:38	05/20/26 11:56	1
Naphthalene	ND		0.19	0.059	ug/L		05/18/26 22:38	05/20/26 11:56	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/18/26 22:38	05/20/26 11:56	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/18/26 22:38	05/20/26 11:56	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/18/26 22:38	05/20/26 11:56	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/18/26 22:38	05/20/26 11:56	1
Phenanthrene	ND		0.19	0.16	ug/L		05/18/26 22:38	05/20/26 11:56	1
Phenol	ND		1.0	0.49	ug/L		05/18/26 22:38	05/20/26 11:56	1
Pyrene	ND		0.19	0.11	ug/L		05/18/26 22:38	05/20/26 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*23 - 128*	*05/18/26 22:38*	*05/20/26 11:56*	*1*
2-Fluorobiphenyl	*67*		*20 - 105*	*05/18/26 22:38*	*05/20/26 11:56*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 105*	*05/18/26 22:38*	*05/20/26 11:56*	*1*
Nitrobenzene-d5 (Surr)	*74*		*20 - 107*	*05/18/26 22:38*	*05/20/26 11:56*	*1*
Phenol-d5 (Surr)	*71*		*20 - 106*	*05/18/26 22:38*	*05/20/26 11:56*	*1*
Terphenyl-d14 (Surr)	*63*		*22 - 120*	*05/18/26 22:38*	*05/20/26 11:56*	*1*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513955/2-A
Matrix: Water
Analysis Batch: 514029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	15.1		ug/L		76	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	14.2		ug/L		71	29 - 102
2,4,5-Trichlorophenol	20.0	17.4		ug/L		87	55 - 100
2,4,6-Trichlorophenol	20.0	16.7		ug/L		83	54 - 100
2,4-Dichlorophenol	20.0	15.9		ug/L		80	55 - 100
2,4-Dimethylphenol	20.0	16.2		ug/L		81	51 - 100
2,4-Dinitrophenol	40.0	29.3		ug/L		73	32 - 100
2,4-Dinitrotoluene	20.0	15.8		ug/L		79	56 - 100
2,6-Dinitrotoluene	20.0	15.5		ug/L		78	56 - 101
2-Chloronaphthalene	20.0	14.8		ug/L		74	52 - 100
2-Chlorophenol	20.0	15.3		ug/L		77	53 - 100
2-Methylnaphthalene	20.0	14.2		ug/L		71	53 - 100
2-Methylphenol	20.0	15.4		ug/L		77	51 - 100
2-Nitroaniline	20.0	18.8		ug/L		94	47 - 104
2-Nitrophenol	20.0	16.4		ug/L		82	56 - 100
3,3'-Dichlorobenzidine	20.0	14.2		ug/L		71	42 - 100
3-Nitroaniline	20.0	15.2		ug/L		76	54 - 100
4,6-Dinitro-2-methylphenol	40.0	32.7		ug/L		82	48 - 100
4-Bromophenyl phenyl ether	20.0	16.6		ug/L		83	50 - 100
4-Chloro-3-methylphenol	20.0	16.1		ug/L		80	47 - 105
4-Chloroaniline	20.0	14.8		ug/L		74	48 - 100
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		77	52 - 100
4-Nitroaniline	20.0	15.9		ug/L		80	54 - 100
4-Nitrophenol	40.0	33.9		ug/L		85	37 - 120
Acenaphthene	20.0	14.8		ug/L		74	51 - 100
Acenaphthylene	20.0	15.1		ug/L		75	54 - 100
Acetophenone	20.0	14.4		ug/L		72	46 - 100
Anthracene	20.0	15.6		ug/L		78	54 - 100
Atrazine	20.0	19.1		ug/L		96	50 - 100
Benzaldehyde	20.0	11.4		ug/L		57	25 - 114
Benzo[a]anthracene	20.0	15.4		ug/L		77	52 - 100
Benzo[a]pyrene	20.0	14.0		ug/L		70	52 - 100
Benzo[b]fluoranthene	20.0	15.4		ug/L		77	50 - 100
Benzo[g,h,i]perylene	20.0	13.5		ug/L		68	53 - 100
Benzo[k]fluoranthene	20.0	13.8		ug/L		69	49 - 100
Bis(2-chloroethoxy)methane	20.0	12.0		ug/L		60	49 - 100
Bis(2-chloroethyl)ether	20.0	13.6		ug/L		68	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	18.0		ug/L		90	52 - 101
Butyl benzyl phthalate	20.0	17.5		ug/L		87	52 - 100
Caprolactam	20.0	16.7		ug/L		83	46 - 111
Carbazole	20.0	15.9		ug/L		80	55 - 100
Chrysene	20.0	13.6		ug/L		68	51 - 100
Dibenz(a,h)anthracene	20.0	14.9		ug/L		74	52 - 101
Dibenzofuran	20.0	14.6		ug/L		73	53 - 100
Diethyl phthalate	20.0	15.0		ug/L		75	52 - 100
Dimethyl phthalate	20.0	15.3		ug/L		77	55 - 100
Di-n-butyl phthalate	20.0	17.4		ug/L		87	57 - 100
Di-n-octyl phthalate	20.0	21.5	*+	ug/L		107	41 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513955/2-A
Matrix: Water
Analysis Batch: 514029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	20.0	16.1		ug/L		80	56 - 100
Fluorene	20.0	15.3		ug/L		76	53 - 100
Hexachlorobenzene	20.0	15.1		ug/L		76	46 - 100
Hexachlorobutadiene	20.0	15.1		ug/L		76	42 - 101
Hexachlorocyclopentadiene	20.0	14.9		ug/L		74	38 - 102
Hexachloroethane	20.0	14.2		ug/L		71	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.8		ug/L		74	54 - 100
Isophorone	20.0	14.0		ug/L		70	50 - 100
Methylphenol, 3 & 4	20.0	15.5		ug/L		78	51 - 100
Naphthalene	20.0	14.6		ug/L		73	53 - 100
Nitrobenzene	20.0	16.6		ug/L		83	47 - 100
N-Nitrosodi-n-propylamine	20.0	17.4		ug/L		87	43 - 103
N-Nitrosodiphenylamine	20.0	16.8		ug/L		84	53 - 100
Pentachlorophenol	40.0	31.4		ug/L		79	35 - 102
Phenanthrene	20.0	14.9		ug/L		74	53 - 100
Phenol	20.0	14.8		ug/L		74	49 - 100
Pyrene	20.0	14.8		ug/L		74	53 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*23 - 128*
2-Fluorobiphenyl	*75*		*20 - 105*
2-Fluorophenol (Surr)	*76*		*20 - 105*
Nitrobenzene-d5 (Surr)	*84*		*20 - 107*
Phenol-d5 (Surr)	*77*		*20 - 106*
Terphenyl-d14 (Surr)	*72*		*22 - 120*

GC/MS VOA

Analysis Batch: 826000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-6	MW-35S	Total/NA	Water	8260D	
MB 410-826000/7	Method Blank	Total/NA	Water	8260D	
MB 410-826000/8	Method Blank	Total/NA	Water	8260D	
LCS 410-826000/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 826006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-1	MW-8S	Total/NA	Water	8260D	
180-205518-2	MW-8D	Total/NA	Water	8260D	
180-205518-2 - DL	MW-8D	Total/NA	Water	8260D	
180-205518-3	MW-8D-DUP	Total/NA	Water	8260D	
180-205518-3 - DL	MW-8D-DUP	Total/NA	Water	8260D	
180-205518-4	MW-29	Total/NA	Water	8260D	
180-205518-4 - DL	MW-29	Total/NA	Water	8260D	
180-205518-5	MW-31	Total/NA	Water	8260D	
180-205518-5 - DL	MW-31	Total/NA	Water	8260D	
180-205518-7	MW-35D	Total/NA	Water	8260D	
MB 410-826006/8	Method Blank	Total/NA	Water	8260D	
LCS 410-826006/5	Lab Control Sample	Total/NA	Water	8260D	
180-205518-1 MS	MW-8S	Total/NA	Water	8260D	
180-205518-1 MSD	MW-8S	Total/NA	Water	8260D	

Analysis Batch: 826443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-8	TB-5	Total/NA	Water	8260D	
MB 410-826443/8	Method Blank	Total/NA	Water	8260D	
LCS 410-826443/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-826443/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 513955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-1	MW-8S	Total/NA	Water	3520C	
180-205518-2	MW-8D	Total/NA	Water	3520C	
180-205518-3	MW-8D-DUP	Total/NA	Water	3520C	
180-205518-4	MW-29	Total/NA	Water	3520C	
180-205518-5 - DL	MW-31	Total/NA	Water	3520C	
180-205518-5	MW-31	Total/NA	Water	3520C	
180-205518-6	MW-35S	Total/NA	Water	3520C	
180-205518-7	MW-35D	Total/NA	Water	3520C	
MB 180-513955/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-513955/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 514029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-2	MW-8D	Total/NA	Water	EPA 8270E LL	513955
180-205518-3	MW-8D-DUP	Total/NA	Water	EPA 8270E LL	513955
180-205518-5	MW-31	Total/NA	Water	EPA 8270E LL	513955
180-205518-7	MW-35D	Total/NA	Water	EPA 8270E LL	513955
MB 180-513955/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	513955

GC/MS Semi VOA (Continued)

Analysis Batch: 514029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-513955/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	513955

Analysis Batch: 514085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205518-1	MW-8S	Total/NA	Water	EPA 8270E LL	513955
180-205518-4	MW-29	Total/NA	Water	EPA 8270E LL	513955
180-205518-5 - DL	MW-31	Total/NA	Water	EPA 8270E LL	513955
180-205518-6	MW-35S	Total/NA	Water	EPA 8270E LL	513955

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Chris Kupfer**		COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	**Site Contact: Dave Gaviglia**	**Date:** 1 of 1 COCs
100 Airside Drive	Tel/Fax: 724-457-8910	**Lab Contact: Andy Johnson**	**Carrier: Hand Delivered** TALS Project #:
Moon Twp., PA 15108	**Analysis Turnaround Time**		Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
	TAT if different from Below		Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks		Lab Sampling:
Site: Erie Coke Works	☐ 1 week		
P O #: 208908	☐ 2 days		Job / SDG No.:
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-8S	5/15/26	0930	G	GW		X	X					
MW-8D		1110				X	X					"Hot" Sample
MW-8D-DUP		1130				X	X					"Hot" Sample
MW-29		0930				X	X					"Hot" Sample
MW-31		1120				X	X					"Hot" Sample
MW-35S		0930				X	X					
MW-35D		1040				X	X					
TB-5	—	—	—	—		X						

180-205518 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

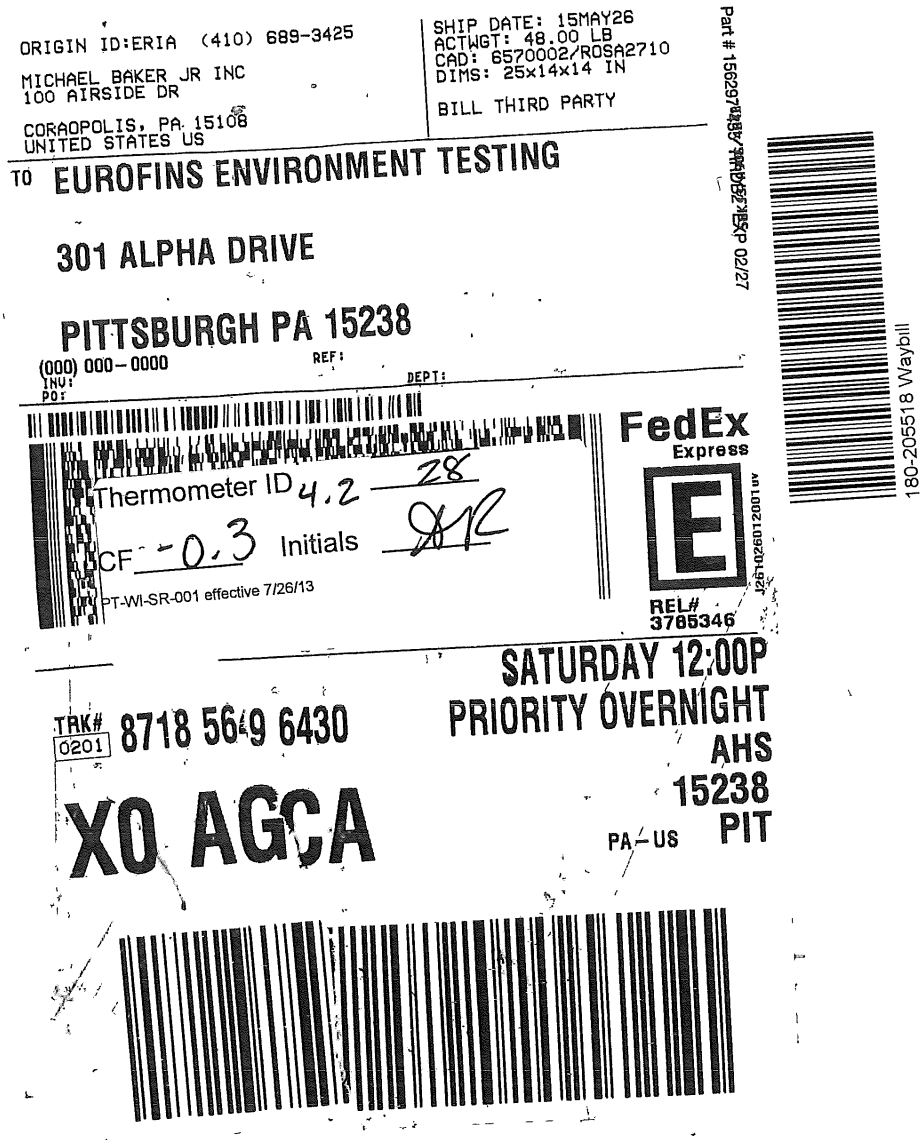
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:	
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/15/26 - 1400	Received by:	Company: EPATMS	Date/Time: 5/16/26 0935	
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:	

Page 57 of 61

9/2/2026



ORIGIN ID:ERIA (410) 689-3425

MICHAEL BAKER JR INC
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 15MAY26
ACTWGT: 48.00 LB
CAD: 6570002/ROSA2710
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-XXX-XXX EXP 02/27

TO EUROFINS ENVIRONMENT TESTING

301 ALPHA DRIVE

PITTSBURGH PA 15238

(000) 000-0000

INV:
PO:

REF:

DEPT:

Thermometer ID 4.2 28

CF -0.3 Initials

PT-WI-SR-001 effective 7/26/13

FedEx Express

REL# 3785346

J261102601201UV

180-205518 Waybill

TRK# 0201 8718 5699 6430

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

AHS
15238
PA-US PIT

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556875.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205518-1
Address: 2425 New Holland Pike,	Due Date Requested: 6/1/2026			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

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)	8260D_LL/5030CVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8S (180-205518-1)	5/15/26	09:30 Eastern	G	Water			X	3	
MW-8D (180-205518-2)	5/15/26	11:10 Eastern	G	Water			X	3	per client, "hot" sample
MW-8D-DUP (180-205518-3)	5/15/26	11:30 Eastern	G	Water			X	3	per client, "hot" sample
MW-29 (180-205518-4)	5/15/26	09:30 Eastern	G	Water			X	3	per client, "hot" sample
MW-31 (180-205518-5)	5/15/26	11:20 Eastern	G	Water			X	3	per client, "hot" sample
MW-35S (180-205518-6)	5/15/26	09:30 Eastern	G	Water			X	3	
MW-35D (180-205518-7)	5/15/26	10:40 Eastern	G	Water			X	3	
TB-5 (180-205518-8)	5/15/26	Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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: James J. Hinkelman	Date/Time: 5/18/26 14:00	Company: EHNC	Received by: MA	Date/Time: 5/18/26 1400	Company: ELLE
Relinquished by: MA	Date/Time: 5/18/26	Company: ELLE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/19/26 18000	Company: ELLE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R3.4 C3.5

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205518-1

Login Number: 205518

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205518-1

Login Number: 205518
List Number: 2
Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/18/26 01:40 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 6/3/2026 2:29:49 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205465-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

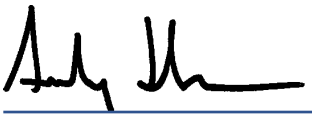
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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6/3/2026 2:29:49 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job Narrative
180-205465-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/15/2026 8:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.3°C and 4.0°C.

Receipt Exceptions
One of two vials for the following sample was broken by accident at the lab while unpacking cooler: TB-4 (180-205465-16).

One vial was received broken: MW-6D (180-205465-7).

The client contacted the Eurofins Project Manager and asked that sample MW-22D (5/14/26 at 12:45) be relabeled as MW-22S and sample MW 22S (5/14/26 at 11:30) be relabeled as MW22D.

GC/MS VOA
Method 8260D: SIM/SCAN

Method 8260D: Due to observed foaming of the sample during purging, an anti-foaming agent was added to the following samples to allow analysis at a lower dilution factor: : MW-21 (180-205465-4) and MW-6S (180-205465-6).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-825182 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-825182 recovered above the upper control limit for 2-Butanone, 2-Hexanone and 4-Methyl-2-pentanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: TB-4 (180-205465-16).

Method 8260D: The method blank for 410-825182 contained Carbon disulfide above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260D: Internal standard responses were outside of acceptance limits for the following samples: MW-21 (180-205465-4) and MW-6S (180-205465-6). The sample(s) shows evidence of matrix interference.

Method 8260D: The method blank for 410-824578 contained Acetone above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260D: Due to observed foaming of the sample during purging, an anti-foaming agent was added to the following samples to allow analysis at a lower dilution factor: : MW-21 (180-205465-4).

Method 8260D: Internal standard (ISTD) response for t-Butyl alcohol-d10 for the following sample was outside acceptance criteria:

MW-21 (180-205465-4). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Method 8260D: The analyst observed the following samples foamed while purging, therefore an anti-foaming agent was added to the sample so that it could be analyzed at a lower dilution factor: MW-21 (180-205465-4) and (MB 410-826000/8).

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to results in the initial analysis above the upper calibration range: MW-11D (180-205465-2), MW-11D-DUP (180-205465-3) and MW-21 (180-205465-4).

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

GC/MS Semi VOA
Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes: MW-11D (180-205465-2) and MW-11D-DUP (180-205465-3). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The continuing calibration verification (CCV) analyzed in 180-514084 was outside the method criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method EPA 8270E LL: The following sample was diluted due to an abundance of target analytes: MW-22D (180-205465-8). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: Surrogate recovery for the following sample was outside control limits: MW-22D (180-205465-8). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method EPA 8270E LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-21 (180-205465-4) and MW-22S (180-205465-9). 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.

HPLC/IC
Method EPA 9056A: The following samples were diluted due to the nature of the sample matrix: MW-47 (180-205465-10) and MW-48 (180-205465-14) at 5.0 and 5.0. 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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2310B-2011: Samples MW-47 (180-205465-10) and MW-48 (180-205465-14) was/were received outside of holding time.

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

Definitions/Glossary

Client: Michael Baker International, Inc. Job ID: 180-205465-1
Project/Site: Erie Coke Works

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
E	Result exceeded calibration range.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
B	Analyte was found in the blank.
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
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205465-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-27

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Job ID: 180-205465-1
Project/Site: Erie Coke Works

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205465-1	MW-11S	Water	05/14/26 08:45	05/15/26 08:50	Pennsylvania
180-205465-2	MW-11D	Water	05/14/26 10:00	05/15/26 08:50	Pennsylvania
180-205465-3	MW-11D-DUP	Water	05/14/26 10:20	05/15/26 08:50	Pennsylvania
180-205465-4	MW-21	Water	05/14/26 12:00	05/15/26 08:50	Pennsylvania
180-205465-5	MW-30	Water	05/14/26 15:30	05/15/26 08:50	Pennsylvania
180-205465-6	MW-6S	Water	05/14/26 08:45	05/15/26 08:50	Pennsylvania
180-205465-7	MW-6D	Water	05/14/26 10:00	05/15/26 08:50	Pennsylvania
180-205465-8	MW-22D	Water	05/14/26 11:30	05/15/26 08:50	Pennsylvania
180-205465-9	MW-22S	Water	05/14/26 12:45	05/15/26 08:50	Pennsylvania
180-205465-10	MW-47	Water	05/14/26 15:25	05/15/26 08:50	Pennsylvania
180-205465-11	MW-23	Water	05/14/26 08:50	05/15/26 08:50	Pennsylvania
180-205465-12	MW-38D	Water	05/14/26 10:10	05/15/26 08:50	Pennsylvania
180-205465-13	MW-33	Water	05/14/26 12:15	05/15/26 08:50	Pennsylvania
180-205465-14	MW-48	Water	05/14/26 15:30	05/15/26 08:50	Pennsylvania
180-205465-15	MW-48-DUP	Water	05/14/26 15:40	05/15/26 08:50	Pennsylvania
180-205465-16	TB-4	Water	05/14/26 00:00	05/15/26 08:50	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
2310B-2011	Acidity	SM	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11S

Lab Sample ID: 180-205465-1

Date Collected: 05/14/26 08:45

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 16:04	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	10	25 mL	25 mL	825182	05/28/26 16:27	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			250 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 16:29	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-11D

Lab Sample ID: 180-205465-2

Date Collected: 05/14/26 10:00

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	25 mL	25 mL	825182	05/28/26 16:49	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	200	25 mL	25 mL	826000	05/29/26 13:47	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 16:51	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	50	1 mL	1 mL	514087	05/21/26 20:54	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-11D-DUP

Lab Sample ID: 180-205465-3

Date Collected: 05/14/26 10:20

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	25 mL	25 mL	825182	05/28/26 17:33	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	200	25 mL	25 mL	826000	05/29/26 14:09	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 17:13	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	50	1 mL	1 mL	514087	05/21/26 21:15	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: MW-21

Lab Sample ID: 180-205465-4

Date Collected: 05/14/26 12:00

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 19:47	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	5	25 mL	25 mL	826000	05/29/26 13:25	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	4	1 mL	1 mL	514135	05/22/26 18:59	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 17:36	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:39	RAO	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-30

Lab Sample ID: 180-205465-5

Date Collected: 05/14/26 15:30

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 14:35	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 17:58	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-6S

Lab Sample ID: 180-205465-6

Date Collected: 05/14/26 08:45

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 20:09	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			250 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 18:21	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-6D

Lab Sample ID: 180-205465-7

Date Collected: 05/14/26 10:00

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 14:57	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			250 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 18:44	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-22D

Lab Sample ID: 180-205465-8

Date Collected: 05/14/26 11:30

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	825182	05/28/26 14:13	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		5	25 mL	25 mL	824578	05/27/26 16:09	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 19:06	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	25	1 mL	1 mL	514084	05/21/26 22:05	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-22S

Lab Sample ID: 180-205465-9

Date Collected: 05/14/26 12:45

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	25 mL	25 mL	825182	05/28/26 19:02	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	100	25 mL	25 mL	825182	05/28/26 19:25	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C	DL		260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	4	1 mL	1 mL	514135	05/22/26 19:21	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 19:29	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-47

Lab Sample ID: 180-205465-10

Date Collected: 05/14/26 15:25

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824578	05/27/26 14:39	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			250 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 19:51	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	513864	05/16/26 00:46	LWM	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	513864	05/16/26 01:00	LWM	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	Non-Digest Prep			50 mL	51.5 mL	821776	05/21/26 11:51	MT26	ELLE
Dissolved	Analysis	6020B		10			823442	05/25/26 16:03	LHF4	ELLE
	Instrument ID: E08 - 30647									

Client Sample ID: MW-47

Lab Sample ID: 180-205465-10

Date Collected: 05/14/26 15:25

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Non-Digest Prep			50 mL	51.5 mL	821776	05/21/26 11:51	MT26	ELLE
Dissolved	Analysis	6020B		1			823115	05/24/26 01:18	LHF4	ELLE
	Instrument ID: E10									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826215	05/29/26 11:53	F7JF	ELLE
	Instrument ID: E09 - 30921									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826531	05/29/26 18:52	I9IN	ELLE
	Instrument ID: E09 - 30921									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		10			826531	05/29/26 18:54	I9IN	ELLE
	Instrument ID: E09 - 30921									
Dissolved	Prep	7470A			5 mL	5 mL	820963	05/21/26 19:25	HNC4	ELLE
Dissolved	Analysis	7470A		1			823358	05/22/26 02:14	HNC4	ELLE
	Instrument ID: M12									
Total/NA	Prep	7470A			5 mL	5 mL	823400	05/26/26 10:37	HNC4	ELLE
Total/NA	Analysis	7470A		1			824496	05/26/26 15:49	HNC4	ELLE
	Instrument ID: M13									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	827686	06/02/26 07:33	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			513846	05/15/26 15:13	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:15	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			514099	05/21/26 14:13	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514105	05/21/26 18:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514137	05/22/26 10:32	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-23

Lab Sample ID: 180-205465-11

Date Collected: 05/14/26 08:50

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	25 mL	25 mL	825182	05/28/26 18:18	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D	DL	50	25 mL	25 mL	825182	05/28/26 18:40	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			250 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 20:14	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-38D

Lab Sample ID: 180-205465-12

Date Collected: 05/14/26 10:10

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824578	05/27/26 15:01	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 20:36	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-33

Lab Sample ID: 180-205465-13

Date Collected: 05/14/26 12:15

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 15:20	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 20:58	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: MW-48

Lab Sample ID: 180-205465-14

Date Collected: 05/14/26 15:30

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	824578	05/27/26 15:23	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 21:21	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	513864	05/16/26 01:15	LWM	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	Non-Digest Prep			50 mL	51.5 mL	821776	05/21/26 11:51	MT26	ELLE
Dissolved	Analysis	6020B		1			823115	05/24/26 01:20	LHF4	ELLE
	Instrument ID: E10									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826215	05/29/26 11:37	F7JF	ELLE
	Instrument ID: E09 - 30921									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826531	05/29/26 18:47	I9IN	ELLE
	Instrument ID: E09 - 30921									
Dissolved	Prep	7470A			5 mL	5 mL	820963	05/21/26 19:25	HNC4	ELLE
Dissolved	Analysis	7470A		1			823358	05/22/26 02:18	HNC4	ELLE
	Instrument ID: M12									
Total/NA	Prep	7470A			5 mL	5 mL	823400	05/26/26 10:37	HNC4	ELLE
Total/NA	Analysis	7470A		1			824496	05/26/26 15:53	HNC4	ELLE
	Instrument ID: M13									
Total/NA	Analysis	2310B-2011		1	25 mL	25 mL	827686	06/02/26 07:33	B6LN	ELLE
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48

Lab Sample ID: 180-205465-14

Date Collected: 05/14/26 15:30

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 180.1		1			513846	05/15/26 15:14	SNR	EET PIT
Total/NA	Analysis	EPA 9040C		1			513892	05/16/26 15:24	RAO	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2510B		1			514099	05/21/26 14:14	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514105	05/21/26 18:15	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514137	05/22/26 10:44	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-48-DUP

Lab Sample ID: 180-205465-15

Date Collected: 05/14/26 15:40

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 15:42	N7YK	ELLE
	Instrument ID: 10193									
Total/NA	Prep	3520C			260 mL	0.25 mL	513898	05/16/26 17:11	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514084	05/21/26 21:43	VVP	EET PIT
	Instrument ID: CH731									
Dissolved	Prep	Non-Digest Prep			50 mL	51.5 mL	821776	05/21/26 11:51	MT26	ELLE
Dissolved	Analysis	6020B		1			823115	05/24/26 01:30	LHF4	ELLE
	Instrument ID: E10									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826215	05/29/26 11:51	F7JF	ELLE
	Instrument ID: E09 - 30921									
Total Recoverable	Prep	3005A			50 mL	50 mL	825789	05/29/26 00:09	UAMX	ELLE
Total Recoverable	Analysis	6020B		1			826531	05/29/26 18:49	I9IN	ELLE
	Instrument ID: E09 - 30921									
Dissolved	Prep	7470A			5 mL	5 mL	820963	05/21/26 19:25	HNC4	ELLE
Dissolved	Analysis	7470A		1			823358	05/22/26 02:21	HNC4	ELLE
	Instrument ID: M12									
Total/NA	Prep	7470A			5 mL	5 mL	823400	05/26/26 10:37	HNC4	ELLE
Total/NA	Analysis	7470A		1			824496	05/26/26 15:56	HNC4	ELLE
	Instrument ID: M13									

Client Sample ID: TB-4

Lab Sample ID: 180-205465-16

Date Collected: 05/14/26 00:00

Matrix: Water

Date Received: 05/15/26 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	825182	05/28/26 13:06	N7YK	ELLE
	Instrument ID: 10193									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman

LWM = Leslie McIntire

RAO = Rachel Oster

SNR = Sabra Richart

VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Prep

HNC4 = Mindy Schantzenbach

MT26 = Jason Knight

UAMX = Annamaria Kuhns

Batch Type: Analysis

B6LN = Aslin Muniz

F7JF = Dennis Dick

HNC4 = Mindy Schantzenbach

I9IN = Miles Yiengst

LHF4 = Diamond Boyer

N7YK = Eric Ressler

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11S
Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 16:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 16:04	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 16:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 16:04	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 16:04	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 16:04	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 16:04	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 16:04	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 16:04	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 16:04	1
2-Butanone	ND	^c *+	5.0	2.5	ug/L			05/28/26 16:04	1
2-Hexanone	ND	^c *+	5.0	2.0	ug/L			05/28/26 16:04	1
4-Methyl-2-pentanone	ND	^c *+	5.0	1.0	ug/L			05/28/26 16:04	1
Acetone	ND		5.0	1.5	ug/L			05/28/26 16:04	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 16:04	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 16:04	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Carbon disulfide	**0.28**	**J B**	1.0	0.10	ug/L			05/28/26 16:04	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 16:04	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 16:04	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 16:04	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 16:04	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 16:04	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 16:04	1
Ethylbenzene	**1.8**		0.50	0.080	ug/L			05/28/26 16:04	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 16:04	1
Isopropylbenzene	**0.34**	**J**	0.50	0.080	ug/L			05/28/26 16:04	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 16:04	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 16:04	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Methylene Chloride	**0.21**	**J**	0.50	0.20	ug/L			05/28/26 16:04	1
Styrene	**0.16**	**J**	0.50	0.070	ug/L			05/28/26 16:04	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 16:04	1
Toluene	**0.51**		0.50	0.080	ug/L			05/28/26 16:04	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 16:04	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 16:04	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 16:04	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 16:04	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 16:04	1
Xylene (total)	**5.1**		1.0	0.070	ug/L			05/28/26 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*05/28/26 16:04*	*1*

Client Sample ID: MW-11S

Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/28/26 16:04*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*05/28/26 16:04*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/28/26 16:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**210**		5.0	1.0	ug/L			05/28/26 16:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/28/26 16:27*	*10*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/28/26 16:27*	*10*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/28/26 16:27*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/28/26 16:27*	*10*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.97**	**J**	1.0	0.14	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4-Dimethylphenol	**1.5**		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 16:29	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 16:29	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 16:29	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 16:29	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 16:29	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 16:29	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 16:29	1
Acenaphthene	**1.0**		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 16:29	1
Acenaphthylene	**0.55**		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 16:29	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 16:29	1
Anthracene	**0.099**	**J**	0.19	0.049	ug/L		05/16/26 17:11	05/21/26 16:29	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 16:29	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 16:29	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 16:29	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 16:29	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 16:29	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 16:29	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11S
Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 16:29	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 16:29	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 16:29	1
Bis(2-ethylhexyl) phthalate	**7.6**	**J**	10	2.1	ug/L		05/16/26 17:11	05/21/26 16:29	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 16:29	1
Caprolactam	**0.82**	**J**	5.0	0.68	ug/L		05/16/26 17:11	05/21/26 16:29	1
Carbazole	**5.8**		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 16:29	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 16:29	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 16:29	1
Dibenzofuran	**1.4**		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 16:29	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 16:29	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:11	05/21/26 16:29	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 16:29	1
Di-n-octyl phthalate	ND	^c	1.0	0.69	ug/L		05/16/26 17:11	05/21/26 16:29	1
Fluoranthene	**0.093**	**J**	0.19	0.060	ug/L		05/16/26 17:11	05/21/26 16:29	1
Fluorene	**1.0**		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 16:29	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 16:29	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 16:29	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 16:29	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 16:29	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 16:29	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 16:29	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 16:29	1
Naphthalene	**0.31**		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 16:29	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 16:29	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 16:29	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 16:29	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 16:29	1
Phenanthrene	**0.37**		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 16:29	1
Phenol	**0.85**	**J**	1.0	0.49	ug/L		05/16/26 17:11	05/21/26 16:29	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*23 - 128*	*05/16/26 17:11*	*05/21/26 16:29*	*1*
2-Fluorobiphenyl	*63*		*20 - 105*	*05/16/26 17:11*	*05/21/26 16:29*	*1*
2-Fluorophenol (Surr)	*38*		*20 - 105*	*05/16/26 17:11*	*05/21/26 16:29*	*1*
Nitrobenzene-d5 (Surr)	*49*		*20 - 107*	*05/16/26 17:11*	*05/21/26 16:29*	*1*
Phenol-d5 (Surr)	*56*		*20 - 106*	*05/16/26 17:11*	*05/21/26 16:29*	*1*
Terphenyl-d14 (Surr)	*66*		*22 - 120*	*05/16/26 17:11*	*05/21/26 16:29*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 16:49	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
1,1,2-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 16:49	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
1,1-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 16:49	5
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/L			05/28/26 16:49	5
1,2-Dibromo-3-Chloropropane	ND		2.5	1.3	ug/L			05/28/26 16:49	5
1,2-Dibromoethane	ND		2.5	0.40	ug/L			05/28/26 16:49	5
1,2-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 16:49	5
1,2-Dichloroethane	ND		2.5	0.85	ug/L			05/28/26 16:49	5
1,2-Dichloropropane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
1,3-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 16:49	5
1,4-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 16:49	5
2-Butanone	ND	*+ ^c	25	13	ug/L			05/28/26 16:49	5
2-Hexanone	ND	*+ ^c	25	10	ug/L			05/28/26 16:49	5
4-Methyl-2-pentanone	ND	*+ ^c	25	5.0	ug/L			05/28/26 16:49	5
Acetone	ND		25	7.5	ug/L			05/28/26 16:49	5
Bromodichloromethane	ND		2.5	0.40	ug/L			05/28/26 16:49	5
Bromoform	ND		5.0	1.5	ug/L			05/28/26 16:49	5
Bromomethane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Carbon disulfide	**1.7**	**J B**	5.0	0.50	ug/L			05/28/26 16:49	5
Carbon tetrachloride	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Chlorobenzene	ND		2.5	0.35	ug/L			05/28/26 16:49	5
Chloroethane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Chloroform	ND		2.5	0.45	ug/L			05/28/26 16:49	5
Chloromethane	ND		2.5	1.1	ug/L			05/28/26 16:49	5
cis-1,2-Dichloroethene	ND		2.5	0.40	ug/L			05/28/26 16:49	5
cis-1,3-Dichloropropene	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Cyclohexane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Dibromochloromethane	ND		2.5	0.40	ug/L			05/28/26 16:49	5
Dichlorodifluoromethane	ND	^c	2.5	1.1	ug/L			05/28/26 16:49	5
Ethylbenzene	**17**		2.5	0.40	ug/L			05/28/26 16:49	5
Freon 113	ND		2.5	0.85	ug/L			05/28/26 16:49	5
Isopropylbenzene	**1.8**	**J**	2.5	0.40	ug/L			05/28/26 16:49	5
Methyl acetate	ND		5.0	1.0	ug/L			05/28/26 16:49	5
Methyl tertiary butyl ether	ND		2.5	0.40	ug/L			05/28/26 16:49	5
Methylcyclohexane	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Methylene Chloride	ND		2.5	1.0	ug/L			05/28/26 16:49	5
Styrene	ND		2.5	0.35	ug/L			05/28/26 16:49	5
Tetrachloroethene	ND		2.5	1.0	ug/L			05/28/26 16:49	5
Toluene	**3.2**		2.5	0.40	ug/L			05/28/26 16:49	5
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 16:49	5
trans-1,3-Dichloropropene	ND		2.5	0.40	ug/L			05/28/26 16:49	5
Trichloroethene	ND		2.5	0.40	ug/L			05/28/26 16:49	5
Trichlorofluoromethane	ND	^c	2.5	0.50	ug/L			05/28/26 16:49	5
Vinyl chloride	ND		2.5	0.50	ug/L			05/28/26 16:49	5
Xylene (total)	**71**		5.0	0.35	ug/L			05/28/26 16:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/28/26 16:49*	*5*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D

Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*05/28/26 16:49*	*5*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/28/26 16:49*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2500**	**H**	100	20	ug/L			05/29/26 13:47	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/26 13:47*	*200*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/29/26 13:47*	*200*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/29/26 13:47*	*200*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/29/26 13:47*	*200*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**4.7**		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4-Dimethylphenol	**25**		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 16:51	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Methylnaphthalene	**17**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 16:51	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 16:51	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 16:51	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 16:51	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 16:51	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 16:51	1
Acenaphthene	**4.0**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 16:51	1
Acenaphthylene	**12**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 16:51	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 16:51	1
Anthracene	**0.67**		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 16:51	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 16:51	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 16:51	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 16:51	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 16:51	1
Bis(2-ethylhexyl) phthalate	**3.0**	**J**	9.6	2.0	ug/L		05/16/26 17:11	05/21/26 16:51	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 16:51	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 16:51	1
Carbazole	**56**	**E**	0.18	0.049	ug/L		05/16/26 17:11	05/21/26 16:51	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 16:51	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 16:51	1
Dibenzofuran	**11**		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 16:51	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 16:51	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 16:51	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 16:51	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 16:51	1
Fluoranthene	**0.23**		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 16:51	1
Fluorene	**12**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 16:51	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 16:51	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 16:51	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 16:51	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 16:51	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 16:51	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 16:51	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 16:51	1
Naphthalene	**380**	**E ES**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 16:51	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 16:51	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 16:51	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 16:51	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 16:51	1
Phenanthrene	**7.8**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 16:51	1
Phenol	**3.7**		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 16:51	1
Pyrene	**0.13**	**J**	0.18	0.11	ug/L		05/16/26 17:11	05/21/26 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*23 - 128*	*05/16/26 17:11*	*05/21/26 16:51*	*1*
2-Fluorobiphenyl	*40*		*20 - 105*	*05/16/26 17:11*	*05/21/26 16:51*	*1*
2-Fluorophenol (Surr)	*46*		*20 - 105*	*05/16/26 17:11*	*05/21/26 16:51*	*1*
Nitrobenzene-d5 (Surr)	*47*		*20 - 107*	*05/16/26 17:11*	*05/21/26 16:51*	*1*
Phenol-d5 (Surr)	*48*		*20 - 106*	*05/16/26 17:11*	*05/21/26 16:51*	*1*
Terphenyl-d14 (Surr)	*54*		*22 - 120*	*05/16/26 17:11*	*05/21/26 16:51*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/16/26 17:11	05/21/26 20:54	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/16/26 17:11	05/21/26 20:54	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/16/26 17:11	05/21/26 20:54	50
2-Chlorophenol	ND		48	11	ug/L		05/16/26 17:11	05/21/26 20:54	50
2-Methylnaphthalene	**12**		9.1	3.0	ug/L		05/16/26 17:11	05/21/26 20:54	50
2-Methylphenol	ND		48	27	ug/L		05/16/26 17:11	05/21/26 20:54	50
2-Nitroaniline	ND		240	26	ug/L		05/16/26 17:11	05/21/26 20:54	50
2-Nitrophenol	ND		48	9.3	ug/L		05/16/26 17:11	05/21/26 20:54	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/16/26 17:11	05/21/26 20:54	50
3-Nitroaniline	ND		240	21	ug/L		05/16/26 17:11	05/21/26 20:54	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Chloroaniline	ND		48	18	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Nitroaniline	ND		240	17	ug/L		05/16/26 17:11	05/21/26 20:54	50
4-Nitrophenol	ND		240	45	ug/L		05/16/26 17:11	05/21/26 20:54	50
Acenaphthene	**3.9**	**J**	9.1	3.1	ug/L		05/16/26 17:11	05/21/26 20:54	50
Acenaphthylene	**12**		9.1	3.1	ug/L		05/16/26 17:11	05/21/26 20:54	50
Acetophenone	ND		48	7.6	ug/L		05/16/26 17:11	05/21/26 20:54	50
Anthracene	ND		9.1	2.4	ug/L		05/16/26 17:11	05/21/26 20:54	50
Atrazine	ND		48	14	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzaldehyde	ND		48	26	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/16/26 17:11	05/21/26 20:54	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/16/26 17:11	05/21/26 20:54	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/16/26 17:11	05/21/26 20:54	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/16/26 17:11	05/21/26 20:54	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/16/26 17:11	05/21/26 20:54	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/16/26 17:11	05/21/26 20:54	50
Caprolactam	ND		240	33	ug/L		05/16/26 17:11	05/21/26 20:54	50
Carbazole	**44**		9.1	2.5	ug/L		05/16/26 17:11	05/21/26 20:54	50
Chrysene	ND		9.1	3.9	ug/L		05/16/26 17:11	05/21/26 20:54	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/16/26 17:11	05/21/26 20:54	50
Dibenzofuran	**12**	**J**	48	9.1	ug/L		05/16/26 17:11	05/21/26 20:54	50
Diethyl phthalate	ND		48	12	ug/L		05/16/26 17:11	05/21/26 20:54	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/16/26 17:11	05/21/26 20:54	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/16/26 17:11	05/21/26 20:54	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/16/26 17:11	05/21/26 20:54	50
Fluoranthene	ND		9.1	2.9	ug/L		05/16/26 17:11	05/21/26 20:54	50
Fluorene	**11**		9.1	3.3	ug/L		05/16/26 17:11	05/21/26 20:54	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/16/26 17:11	05/21/26 20:54	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/16/26 17:11	05/21/26 20:54	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/16/26 17:11	05/21/26 20:54	50
Hexachloroethane	ND		48	15	ug/L		05/16/26 17:11	05/21/26 20:54	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/16/26 17:11	05/21/26 20:54	50
Isophorone	ND		48	9.0	ug/L		05/16/26 17:11	05/21/26 20:54	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/16/26 17:11	05/21/26 20:54	50
Naphthalene	**780**		9.1	2.8	ug/L		05/16/26 17:11	05/21/26 20:54	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		96	24	ug/L		05/16/26 17:11	05/21/26 20:54	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/16/26 17:11	05/21/26 20:54	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/16/26 17:11	05/21/26 20:54	50
Pentachlorophenol	ND		240	41	ug/L		05/16/26 17:11	05/21/26 20:54	50
Phenanthrene	ND		9.1	7.5	ug/L		05/16/26 17:11	05/21/26 20:54	50
Phenol	ND		48	23	ug/L		05/16/26 17:11	05/21/26 20:54	50
Pyrene	ND		9.1	5.3	ug/L		05/16/26 17:11	05/21/26 20:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*23 - 128*	*05/16/26 17:11*	*05/21/26 20:54*	*50*
2-Fluorobiphenyl	*0*	*D S1-*	*20 - 105*	*05/16/26 17:11*	*05/21/26 20:54*	*50*
2-Fluorophenol (Surr)	*0*	*D S1-*	*20 - 105*	*05/16/26 17:11*	*05/21/26 20:54*	*50*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*20 - 107*	*05/16/26 17:11*	*05/21/26 20:54*	*50*
Phenol-d5 (Surr)	*0*	*D S1-*	*20 - 106*	*05/16/26 17:11*	*05/21/26 20:54*	*50*
Terphenyl-d14 (Surr)	*0*	*D S1-*	*22 - 120*	*05/16/26 17:11*	*05/21/26 20:54*	*50*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D-DUP
Date Collected: 05/14/26 10:20
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 17:33	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
1,1,2-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 17:33	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
1,1-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 17:33	5
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/L			05/28/26 17:33	5
1,2-Dibromo-3-Chloropropane	ND		2.5	1.3	ug/L			05/28/26 17:33	5
1,2-Dibromoethane	ND		2.5	0.40	ug/L			05/28/26 17:33	5
1,2-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 17:33	5
1,2-Dichloroethane	ND		2.5	0.85	ug/L			05/28/26 17:33	5
1,2-Dichloropropane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
1,3-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 17:33	5
1,4-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 17:33	5
2-Butanone	ND	*+ ^c	25	13	ug/L			05/28/26 17:33	5
2-Hexanone	ND	*+ ^c	25	10	ug/L			05/28/26 17:33	5
4-Methyl-2-pentanone	ND	*+ ^c	25	5.0	ug/L			05/28/26 17:33	5
Acetone	ND		25	7.5	ug/L			05/28/26 17:33	5
Bromodichloromethane	ND		2.5	0.40	ug/L			05/28/26 17:33	5
Bromoform	ND		5.0	1.5	ug/L			05/28/26 17:33	5
Bromomethane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Carbon disulfide	**1.5**	**J B**	5.0	0.50	ug/L			05/28/26 17:33	5
Carbon tetrachloride	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Chlorobenzene	ND		2.5	0.35	ug/L			05/28/26 17:33	5
Chloroethane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Chloroform	ND		2.5	0.45	ug/L			05/28/26 17:33	5
Chloromethane	ND		2.5	1.1	ug/L			05/28/26 17:33	5
cis-1,2-Dichloroethene	ND		2.5	0.40	ug/L			05/28/26 17:33	5
cis-1,3-Dichloropropene	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Cyclohexane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Dibromochloromethane	ND		2.5	0.40	ug/L			05/28/26 17:33	5
Dichlorodifluoromethane	ND	^c	2.5	1.1	ug/L			05/28/26 17:33	5
Ethylbenzene	**16**		2.5	0.40	ug/L			05/28/26 17:33	5
Freon 113	ND		2.5	0.85	ug/L			05/28/26 17:33	5
Isopropylbenzene	**1.7**	**J**	2.5	0.40	ug/L			05/28/26 17:33	5
Methyl acetate	ND		5.0	1.0	ug/L			05/28/26 17:33	5
Methyl tertiary butyl ether	ND		2.5	0.40	ug/L			05/28/26 17:33	5
Methylcyclohexane	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Methylene Chloride	ND		2.5	1.0	ug/L			05/28/26 17:33	5
Styrene	ND		2.5	0.35	ug/L			05/28/26 17:33	5
Tetrachloroethene	ND		2.5	1.0	ug/L			05/28/26 17:33	5
Toluene	**3.1**		2.5	0.40	ug/L			05/28/26 17:33	5
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 17:33	5
trans-1,3-Dichloropropene	ND		2.5	0.40	ug/L			05/28/26 17:33	5
Trichloroethene	ND		2.5	0.40	ug/L			05/28/26 17:33	5
Trichlorofluoromethane	ND	^c	2.5	0.50	ug/L			05/28/26 17:33	5
Vinyl chloride	ND		2.5	0.50	ug/L			05/28/26 17:33	5
Xylene (total)	**66**		5.0	0.35	ug/L			05/28/26 17:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/28/26 17:33*	*5*

Client Sample ID: MW-11D-DUP
Date Collected: 05/14/26 10:20
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*05/28/26 17:33*	*5*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/28/26 17:33*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2100**	**H**	100	20	ug/L			05/29/26 14:09	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/29/26 14:09*	*200*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/29/26 14:09*	*200*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/29/26 14:09*	*200*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/29/26 14:09*	*200*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**4.7**		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4-Dimethylphenol	**22**		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 17:13	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Methylnaphthalene	**14**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 17:13	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 17:13	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:13	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 17:13	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 17:13	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 17:13	1
Acenaphthene	**4.1**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:13	1
Acenaphthylene	**12**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:13	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:13	1
Anthracene	**0.67**		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 17:13	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:13	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 17:13	1

Client Sample ID: MW-11D-DUP
Date Collected: 05/14/26 10:20
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:13	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 17:13	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 17:13	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 17:13	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 17:13	1
Carbazole	**54**	**E**	0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:13	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 17:13	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 17:13	1
Dibenzofuran	**12**		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:13	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:13	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 17:13	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:13	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 17:13	1
Fluoranthene	**0.21**		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 17:13	1
Fluorene	**12**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:13	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 17:13	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:13	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 17:13	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:13	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 17:13	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:13	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:13	1
Naphthalene	**310**	**E ES**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:13	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 17:13	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 17:13	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:13	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 17:13	1
Phenanthrene	**7.5**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:13	1
Phenol	**2.9**		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 17:13	1
Pyrene	**0.12**	**J**	0.18	0.11	ug/L		05/16/26 17:11	05/21/26 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*23 - 128*	*05/16/26 17:11*	*05/21/26 17:13*	*1*
2-Fluorobiphenyl	*35*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:13*	*1*
2-Fluorophenol (Surr)	*21*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:13*	*1*
Nitrobenzene-d5 (Surr)	*32*		*20 - 107*	*05/16/26 17:11*	*05/21/26 17:13*	*1*
Phenol-d5 (Surr)	*35*		*20 - 106*	*05/16/26 17:11*	*05/21/26 17:13*	*1*
Terphenyl-d14 (Surr)	*47*		*22 - 120*	*05/16/26 17:11*	*05/21/26 17:13*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		48	6.8	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,2'-oxybis[1-chloropropane]	ND		9.1	5.8	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/16/26 17:11	05/21/26 21:15	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/16/26 17:11	05/21/26 21:15	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D-DUP
Date Collected: 05/14/26 10:20
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		9.1	2.8	ug/L		05/16/26 17:11	05/21/26 21:15	50
2-Chlorophenol	ND		48	11	ug/L		05/16/26 17:11	05/21/26 21:15	50
2-Methylnaphthalene	**11**		9.1	3.0	ug/L		05/16/26 17:11	05/21/26 21:15	50
2-Methylphenol	ND		48	27	ug/L		05/16/26 17:11	05/21/26 21:15	50
2-Nitroaniline	ND		240	26	ug/L		05/16/26 17:11	05/21/26 21:15	50
2-Nitrophenol	ND		48	9.3	ug/L		05/16/26 17:11	05/21/26 21:15	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/16/26 17:11	05/21/26 21:15	50
3-Nitroaniline	ND		240	21	ug/L		05/16/26 17:11	05/21/26 21:15	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Bromophenyl phenyl ether	ND		48	15	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Chloroaniline	ND		48	18	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Nitroaniline	ND		240	17	ug/L		05/16/26 17:11	05/21/26 21:15	50
4-Nitrophenol	ND		240	45	ug/L		05/16/26 17:11	05/21/26 21:15	50
Acenaphthene	**3.7**	**J**	9.1	3.1	ug/L		05/16/26 17:11	05/21/26 21:15	50
Acenaphthylene	**11**		9.1	3.1	ug/L		05/16/26 17:11	05/21/26 21:15	50
Acetophenone	ND		48	7.6	ug/L		05/16/26 17:11	05/21/26 21:15	50
Anthracene	ND		9.1	2.4	ug/L		05/16/26 17:11	05/21/26 21:15	50
Atrazine	ND		48	14	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzaldehyde	ND		48	26	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzo[a]anthracene	ND		9.1	3.6	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/16/26 17:11	05/21/26 21:15	50
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/16/26 17:11	05/21/26 21:15	50
Bis(2-chloroethoxy)methane	ND		48	7.3	ug/L		05/16/26 17:11	05/21/26 21:15	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/16/26 17:11	05/21/26 21:15	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/16/26 17:11	05/21/26 21:15	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/16/26 17:11	05/21/26 21:15	50
Caprolactam	ND		240	33	ug/L		05/16/26 17:11	05/21/26 21:15	50
Carbazole	**45**		9.1	2.5	ug/L		05/16/26 17:11	05/21/26 21:15	50
Chrysene	ND		9.1	3.9	ug/L		05/16/26 17:11	05/21/26 21:15	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/16/26 17:11	05/21/26 21:15	50
Dibenzofuran	**12**	**J**	48	9.1	ug/L		05/16/26 17:11	05/21/26 21:15	50
Diethyl phthalate	ND		48	12	ug/L		05/16/26 17:11	05/21/26 21:15	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/16/26 17:11	05/21/26 21:15	50
Di-n-butyl phthalate	ND		48	18	ug/L		05/16/26 17:11	05/21/26 21:15	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/16/26 17:11	05/21/26 21:15	50
Fluoranthene	ND		9.1	2.9	ug/L		05/16/26 17:11	05/21/26 21:15	50
Fluorene	**11**		9.1	3.3	ug/L		05/16/26 17:11	05/21/26 21:15	50
Hexachlorobenzene	ND		9.1	2.7	ug/L		05/16/26 17:11	05/21/26 21:15	50
Hexachlorobutadiene	ND		9.1	7.5	ug/L		05/16/26 17:11	05/21/26 21:15	50
Hexachlorocyclopentadiene	ND		48	24	ug/L		05/16/26 17:11	05/21/26 21:15	50
Hexachloroethane	ND		48	15	ug/L		05/16/26 17:11	05/21/26 21:15	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/16/26 17:11	05/21/26 21:15	50
Isophorone	ND		48	9.0	ug/L		05/16/26 17:11	05/21/26 21:15	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/16/26 17:11	05/21/26 21:15	50
Naphthalene	**630**		9.1	2.8	ug/L		05/16/26 17:11	05/21/26 21:15	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-11D-DUP
Date Collected: 05/14/26 10:20
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		96	24	ug/L		05/16/26 17:11	05/21/26 21:15	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/16/26 17:11	05/21/26 21:15	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/16/26 17:11	05/21/26 21:15	50
Pentachlorophenol	ND		240	41	ug/L		05/16/26 17:11	05/21/26 21:15	50
Phenanthrene	ND		9.1	7.5	ug/L		05/16/26 17:11	05/21/26 21:15	50
Phenol	ND		48	23	ug/L		05/16/26 17:11	05/21/26 21:15	50
Pyrene	ND		9.1	5.3	ug/L		05/16/26 17:11	05/21/26 21:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D S1-*	*23 - 128*	*05/16/26 17:11*	*05/21/26 21:15*	*50*
2-Fluorobiphenyl	*0*	*D S1-*	*20 - 105*	*05/16/26 17:11*	*05/21/26 21:15*	*50*
2-Fluorophenol (Surr)	*0*	*D S1-*	*20 - 105*	*05/16/26 17:11*	*05/21/26 21:15*	*50*
Nitrobenzene-d5 (Surr)	*0*	*D S1-*	*20 - 107*	*05/16/26 17:11*	*05/21/26 21:15*	*50*
Phenol-d5 (Surr)	*0*	*D S1-*	*20 - 106*	*05/16/26 17:11*	*05/21/26 21:15*	*50*
Terphenyl-d14 (Surr)	*0*	*D S1-*	*22 - 120*	*05/16/26 17:11*	*05/21/26 21:15*	*50*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-21
Date Collected: 05/14/26 12:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 19:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 19:47	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 19:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 19:47	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 19:47	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 19:47	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 19:47	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 19:47	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 19:47	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 19:47	1
2-Butanone	ND	*3 ^c *+	5.0	2.5	ug/L			05/28/26 19:47	1
2-Hexanone	ND	*3 ^c *+	5.0	2.0	ug/L			05/28/26 19:47	1
4-Methyl-2-pentanone	ND	*3 ^c *+	5.0	1.0	ug/L			05/28/26 19:47	1
Acetone	**3.5**	**J B *3**	5.0	1.5	ug/L			05/28/26 19:47	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 19:47	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Carbon disulfide	**0.38**	**J B**	1.0	0.10	ug/L			05/28/26 19:47	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 19:47	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 19:47	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 19:47	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 19:47	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 19:47	1
Ethylbenzene	**0.79**		0.50	0.080	ug/L			05/28/26 19:47	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 19:47	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/28/26 19:47	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Methylene Chloride	**0.20**	**J**	0.50	0.20	ug/L			05/28/26 19:47	1
Styrene	**0.17**	**J**	0.50	0.070	ug/L			05/28/26 19:47	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 19:47	1
Toluene	**4.7**		0.50	0.080	ug/L			05/28/26 19:47	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 19:47	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 19:47	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 19:47	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 19:47	1
Xylene (total)	**4.5**		1.0	0.070	ug/L			05/28/26 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/28/26 19:47*	*1*

Client Sample ID: MW-21

Date Collected: 05/14/26 12:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/28/26 19:47*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*05/28/26 19:47*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/28/26 19:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**85**	**H**	2.5	0.50	ug/L			05/29/26 13:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/29/26 13:25*	*5*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/29/26 13:25*	*5*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/29/26 13:25*	*5*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/29/26 13:25*	*5*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.30**	**J**	0.96	0.14	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4-Dimethylphenol	**2.7**		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 17:36	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Methylnaphthalene	**1.7**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Methylphenol	**11**		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 17:36	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 17:36	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:36	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 17:36	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 17:36	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 17:36	1
Acenaphthene	**0.12**	**J**	0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:36	1
Acenaphthylene	**0.32**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:36	1
Acetophenone	**0.44**	**J**	0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:36	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 17:36	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 17:36	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 17:36	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 17:36	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:36	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 17:36	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:36	1

Client Sample ID: MW-21
Date Collected: 05/14/26 12:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 17:36	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:36	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 17:36	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 17:36	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 17:36	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 17:36	1
Carbazole	**3.6**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:36	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 17:36	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 17:36	1
Dibenzofuran	**0.31**	**J**	0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:36	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:36	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 17:36	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:36	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 17:36	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 17:36	1
Fluorene	**0.27**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:36	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 17:36	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:36	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 17:36	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:36	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 17:36	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:36	1
Methylphenol, 3 & 4	**21**		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:36	1
Naphthalene	**71**	**E**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:36	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 17:36	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 17:36	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:36	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 17:36	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:36	1
Phenol	**27**		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 17:36	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*23 - 128*	*05/16/26 17:11*	*05/21/26 17:36*	*1*
2-Fluorobiphenyl	*42*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:36*	*1*
2-Fluorophenol (Surr)	*38*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:36*	*1*
Nitrobenzene-d5 (Surr)	*39*		*20 - 107*	*05/16/26 17:11*	*05/21/26 17:36*	*1*
Phenol-d5 (Surr)	*44*		*20 - 106*	*05/16/26 17:11*	*05/21/26 17:36*	*1*
Terphenyl-d14 (Surr)	*47*		*22 - 120*	*05/16/26 17:11*	*05/21/26 17:36*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		3.8	0.55	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,2'-oxybis[1-chloropropane]	ND		0.73	0.47	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4,5-Trichlorophenol	ND		3.8	0.97	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4,6-Trichlorophenol	ND		3.8	0.86	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4-Dichlorophenol	ND		0.73	0.20	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4-Dimethylphenol	**2.6**	**J**	3.8	2.3	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4-Dinitrophenol	ND		38	13	ug/L		05/16/26 17:11	05/22/26 18:59	4
2,4-Dinitrotoluene	ND		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 18:59	4

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-21
Date Collected: 05/14/26 12:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		3.8	0.67	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Chloronaphthalene	ND		0.73	0.23	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Chlorophenol	ND		3.8	0.87	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Methylnaphthalene	**1.7**		0.73	0.24	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Methylphenol	**12**		3.8	2.1	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Nitroaniline	ND		19	2.1	ug/L		05/16/26 17:11	05/22/26 18:59	4
2-Nitrophenol	ND		3.8	0.74	ug/L		05/16/26 17:11	05/22/26 18:59	4
3,3'-Dichlorobenzidine	ND		3.8	2.2	ug/L		05/16/26 17:11	05/22/26 18:59	4
3-Nitroaniline	ND		19	1.7	ug/L		05/16/26 17:11	05/22/26 18:59	4
4,6-Dinitro-2-methylphenol	ND		19	5.7	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Bromophenyl phenyl ether	ND		3.8	1.2	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Chloro-3-methylphenol	ND		3.8	1.7	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Chloroaniline	ND		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Chlorophenyl phenyl ether	ND		3.8	0.85	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Nitroaniline	ND		19	1.4	ug/L		05/16/26 17:11	05/22/26 18:59	4
4-Nitrophenol	ND		19	3.6	ug/L		05/16/26 17:11	05/22/26 18:59	4
Acenaphthene	ND		0.73	0.25	ug/L		05/16/26 17:11	05/22/26 18:59	4
Acenaphthylene	**0.34**	**J**	0.73	0.25	ug/L		05/16/26 17:11	05/22/26 18:59	4
Acetophenone	ND		3.8	0.61	ug/L		05/16/26 17:11	05/22/26 18:59	4
Anthracene	ND		0.73	0.19	ug/L		05/16/26 17:11	05/22/26 18:59	4
Atrazine	ND		3.8	1.1	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzaldehyde	ND		3.8	2.1	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzo[a]anthracene	ND		0.73	0.29	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzo[a]pyrene	ND		0.73	0.49	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzo[b]fluoranthene	ND		0.73	0.37	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzo[g,h,i]perylene	ND		0.73	0.27	ug/L		05/16/26 17:11	05/22/26 18:59	4
Benzo[k]fluoranthene	ND		0.73	0.34	ug/L		05/16/26 17:11	05/22/26 18:59	4
Bis(2-chloroethoxy)methane	ND		3.8	0.58	ug/L		05/16/26 17:11	05/22/26 18:59	4
Bis(2-chloroethyl)ether	ND		0.73	0.54	ug/L		05/16/26 17:11	05/22/26 18:59	4
Bis(2-ethylhexyl) phthalate	ND		38	8.0	ug/L		05/16/26 17:11	05/22/26 18:59	4
Butyl benzyl phthalate	ND		7.7	3.6	ug/L		05/16/26 17:11	05/22/26 18:59	4
Caprolactam	ND		19	2.6	ug/L		05/16/26 17:11	05/22/26 18:59	4
Carbazole	**3.2**		0.73	0.20	ug/L		05/16/26 17:11	05/22/26 18:59	4
Chrysene	ND		0.73	0.31	ug/L		05/16/26 17:11	05/22/26 18:59	4
Dibenz(a,h)anthracene	ND		0.73	0.28	ug/L		05/16/26 17:11	05/22/26 18:59	4
Dibenzofuran	ND		3.8	0.73	ug/L		05/16/26 17:11	05/22/26 18:59	4
Diethyl phthalate	ND		3.8	0.96	ug/L		05/16/26 17:11	05/22/26 18:59	4
Dimethyl phthalate	ND		7.7	0.77	ug/L		05/16/26 17:11	05/22/26 18:59	4
Di-n-butyl phthalate	ND		3.8	1.5	ug/L		05/16/26 17:11	05/22/26 18:59	4
Di-n-octyl phthalate	ND		3.8	2.6	ug/L		05/16/26 17:11	05/22/26 18:59	4
Fluoranthene	ND		0.73	0.23	ug/L		05/16/26 17:11	05/22/26 18:59	4
Fluorene	ND		0.73	0.27	ug/L		05/16/26 17:11	05/22/26 18:59	4
Hexachlorobenzene	ND		0.73	0.22	ug/L		05/16/26 17:11	05/22/26 18:59	4
Hexachlorobutadiene	ND		0.73	0.60	ug/L		05/16/26 17:11	05/22/26 18:59	4
Hexachlorocyclopentadiene	ND		3.8	1.9	ug/L		05/16/26 17:11	05/22/26 18:59	4
Hexachloroethane	ND		3.8	1.2	ug/L		05/16/26 17:11	05/22/26 18:59	4
Indeno[1,2,3-cd]pyrene	ND		0.73	0.33	ug/L		05/16/26 17:11	05/22/26 18:59	4
Isophorone	ND		3.8	0.72	ug/L		05/16/26 17:11	05/22/26 18:59	4
Methylphenol, 3 & 4	**25**		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 18:59	4

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-21
Date Collected: 05/14/26 12:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**78**		0.73	0.23	ug/L		05/16/26 17:11	05/22/26 18:59	4
Nitrobenzene	ND		7.7	1.9	ug/L		05/16/26 17:11	05/22/26 18:59	4
N-Nitrosodi-n-propylamine	ND		0.73	0.27	ug/L		05/16/26 17:11	05/22/26 18:59	4
N-Nitrosodiphenylamine	ND		3.8	0.96	ug/L		05/16/26 17:11	05/22/26 18:59	4
Pentachlorophenol	ND		19	3.3	ug/L		05/16/26 17:11	05/22/26 18:59	4
Phenanthrene	ND		0.73	0.60	ug/L		05/16/26 17:11	05/22/26 18:59	4
Phenol	**31**		3.8	1.9	ug/L		05/16/26 17:11	05/22/26 18:59	4
Pyrene	ND		0.73	0.43	ug/L		05/16/26 17:11	05/22/26 18:59	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*23 - 128*	*05/16/26 17:11*	*05/22/26 18:59*	*4*
2-Fluorobiphenyl	*47*		*20 - 105*	*05/16/26 17:11*	*05/22/26 18:59*	*4*
2-Fluorophenol (Surr)	*43*		*20 - 105*	*05/16/26 17:11*	*05/22/26 18:59*	*4*
Nitrobenzene-d5 (Surr)	*41*		*20 - 107*	*05/16/26 17:11*	*05/22/26 18:59*	*4*
Phenol-d5 (Surr)	*50*		*20 - 106*	*05/16/26 17:11*	*05/22/26 18:59*	*4*
Terphenyl-d14 (Surr)	*52*		*22 - 120*	*05/16/26 17:11*	*05/22/26 18:59*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**11.1**	**HF**	0.1	0.1	SU			05/16/26 15:39	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-30
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 14:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 14:35	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 14:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 14:35	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 14:35	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 14:35	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:35	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 14:35	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:35	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:35	1
2-Butanone	ND	^c *+	5.0	2.5	ug/L			05/28/26 14:35	1
2-Hexanone	ND	^c *+	5.0	2.0	ug/L			05/28/26 14:35	1
4-Methyl-2-pentanone	ND	^c *+	5.0	1.0	ug/L			05/28/26 14:35	1
Acetone	**1.5**	**J**	5.0	1.5	ug/L			05/28/26 14:35	1
Benzene	**0.16**	**J**	0.50	0.10	ug/L			05/28/26 14:35	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 14:35	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Carbon disulfide	**0.35**	**J B**	1.0	0.10	ug/L			05/28/26 14:35	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:35	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 14:35	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 14:35	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 14:35	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 14:35	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 14:35	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Methylene Chloride	**0.24**	**J**	0.50	0.20	ug/L			05/28/26 14:35	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 14:35	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 14:35	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 14:35	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 14:35	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 14:35	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 14:35	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 14:35	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-30
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/28/26 14:35*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/28/26 14:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 14:35*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/28/26 14:35*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 17:58	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Methylnaphthalene	**0.096**	**J**	0.18	0.060	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 17:58	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 17:58	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 17:58	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 17:58	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 17:58	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 17:58	1
Acenaphthene	**0.083**	**J**	0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:58	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 17:58	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:58	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 17:58	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:58	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 17:58	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 17:58	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 17:58	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 17:58	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 17:58	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 17:58	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 17:58	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 17:58	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 17:58	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-30
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:58	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:58	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 17:58	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:58	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 17:58	1
Fluoranthene	ND		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 17:58	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 17:58	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 17:58	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:58	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 17:58	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 17:58	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 17:58	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 17:58	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 17:58	1
Naphthalene	**0.83**		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 17:58	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 17:58	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 17:58	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 17:58	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 17:58	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 17:58	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 17:58	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*23 - 128*	*05/16/26 17:11*	*05/21/26 17:58*	*1*
2-Fluorobiphenyl	*66*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:58*	*1*
2-Fluorophenol (Surr)	*65*		*20 - 105*	*05/16/26 17:11*	*05/21/26 17:58*	*1*
Nitrobenzene-d5 (Surr)	*69*		*20 - 107*	*05/16/26 17:11*	*05/21/26 17:58*	*1*
Phenol-d5 (Surr)	*64*		*20 - 106*	*05/16/26 17:11*	*05/21/26 17:58*	*1*
Terphenyl-d14 (Surr)	*47*		*22 - 120*	*05/16/26 17:11*	*05/21/26 17:58*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6S
Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 20:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 20:09	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 20:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 20:09	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 20:09	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 20:09	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 20:09	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 20:09	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 20:09	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 20:09	1
2-Butanone	ND	*+ ^c *3	5.0	2.5	ug/L			05/28/26 20:09	1
2-Hexanone	ND	*+ ^c *3	5.0	2.0	ug/L			05/28/26 20:09	1
4-Methyl-2-pentanone	ND	*+ ^c *3	5.0	1.0	ug/L			05/28/26 20:09	1
Acetone	ND	B *3	5.0	1.5	ug/L			05/28/26 20:09	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 20:09	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Carbon disulfide	**0.42**	**J B**	1.0	0.10	ug/L			05/28/26 20:09	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 20:09	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 20:09	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 20:09	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 20:09	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 20:09	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/28/26 20:09	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 20:09	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 20:09	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 20:09	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 20:09	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 20:09	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 20:09	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 20:09	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 20:09	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6S
Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 20:09*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*05/28/26 20:09*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/28/26 20:09*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/28/26 20:09*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 18:21	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Methylnaphthalene	**0.12**	**J**	0.19	0.062	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 18:21	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:21	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 18:21	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 18:21	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 18:21	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 18:21	1
Acenaphthene	**0.10**	**J**	0.19	0.065	ug/L		05/16/26 17:11	05/21/26 18:21	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 18:21	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 18:21	1
Anthracene	**0.10**	**J**	0.19	0.049	ug/L		05/16/26 17:11	05/21/26 18:21	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 18:21	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 18:21	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 18:21	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 18:21	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:11	05/21/26 18:21	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 18:21	1
Caprolactam	**0.81**	**J**	5.0	0.68	ug/L		05/16/26 17:11	05/21/26 18:21	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 18:21	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 18:21	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 18:21	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6S
Date Collected: 05/14/26 08:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-6
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:21	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:21	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:11	05/21/26 18:21	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 18:21	1
Di-n-octyl phthalate	ND	^c	1.0	0.69	ug/L		05/16/26 17:11	05/21/26 18:21	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:11	05/21/26 18:21	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 18:21	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 18:21	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 18:21	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 18:21	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 18:21	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:21	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 18:21	1
Naphthalene	**1.2**		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 18:21	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 18:21	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 18:21	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:21	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 18:21	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 18:21	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:11	05/21/26 18:21	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*23 - 128*	*05/16/26 17:11*	*05/21/26 18:21*	*1*
2-Fluorobiphenyl	*57*		*20 - 105*	*05/16/26 17:11*	*05/21/26 18:21*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 105*	*05/16/26 17:11*	*05/21/26 18:21*	*1*
Nitrobenzene-d5 (Surr)	*52*		*20 - 107*	*05/16/26 17:11*	*05/21/26 18:21*	*1*
Phenol-d5 (Surr)	*51*		*20 - 106*	*05/16/26 17:11*	*05/21/26 18:21*	*1*
Terphenyl-d14 (Surr)	*60*		*22 - 120*	*05/16/26 17:11*	*05/21/26 18:21*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 14:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 14:57	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 14:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 14:57	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 14:57	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 14:57	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:57	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 14:57	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:57	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:57	1
2-Butanone	ND	^c *+	5.0	2.5	ug/L			05/28/26 14:57	1
2-Hexanone	ND	^c *+	5.0	2.0	ug/L			05/28/26 14:57	1
4-Methyl-2-pentanone	ND	^c *+	5.0	1.0	ug/L			05/28/26 14:57	1
Acetone	ND		5.0	1.5	ug/L			05/28/26 14:57	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 14:57	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Carbon disulfide	**0.32**	**J B**	1.0	0.10	ug/L			05/28/26 14:57	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 14:57	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 14:57	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 14:57	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 14:57	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 14:57	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 14:57	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 14:57	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 14:57	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 14:57	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 14:57	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 14:57	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 14:57	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 14:57	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 14:57	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 14:57*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/28/26 14:57*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 14:57*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/28/26 14:57*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 18:44	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Methylnaphthalene	**0.062**	**J**	0.19	0.062	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 18:44	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:44	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 18:44	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 18:44	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 18:44	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 18:44	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 18:44	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 18:44	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 18:44	1
Anthracene	**0.11**	**J**	0.19	0.049	ug/L		05/16/26 17:11	05/21/26 18:44	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 18:44	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 18:44	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 18:44	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 18:44	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:11	05/21/26 18:44	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 18:44	1
Caprolactam	**0.92**	**J**	5.0	0.68	ug/L		05/16/26 17:11	05/21/26 18:44	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 18:44	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 18:44	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 18:44	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-6D
Date Collected: 05/14/26 10:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-7
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:44	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:44	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:11	05/21/26 18:44	1
Di-n-butyl phthalate	**0.70**	**J**	1.0	0.38	ug/L		05/16/26 17:11	05/21/26 18:44	1
Di-n-octyl phthalate	ND	^c	1.0	0.69	ug/L		05/16/26 17:11	05/21/26 18:44	1
Fluoranthene	**0.15**	**J**	0.19	0.060	ug/L		05/16/26 17:11	05/21/26 18:44	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 18:44	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 18:44	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 18:44	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 18:44	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 18:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 18:44	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 18:44	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 18:44	1
Naphthalene	**0.61**		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 18:44	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 18:44	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 18:44	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 18:44	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 18:44	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 18:44	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:11	05/21/26 18:44	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*23 - 128*	*05/16/26 17:11*	*05/21/26 18:44*	*1*
2-Fluorobiphenyl	*58*		*20 - 105*	*05/16/26 17:11*	*05/21/26 18:44*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 105*	*05/16/26 17:11*	*05/21/26 18:44*	*1*
Nitrobenzene-d5 (Surr)	*55*		*20 - 107*	*05/16/26 17:11*	*05/21/26 18:44*	*1*
Phenol-d5 (Surr)	*54*		*20 - 106*	*05/16/26 17:11*	*05/21/26 18:44*	*1*
Terphenyl-d14 (Surr)	*58*		*22 - 120*	*05/16/26 17:11*	*05/21/26 18:44*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-22D
Date Collected: 05/14/26 11:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.40	ug/L			05/27/26 16:09	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
1,1,2-Trichloroethane	ND		2.5	0.40	ug/L			05/27/26 16:09	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
1,1-Dichloroethene	ND		2.5	0.50	ug/L			05/27/26 16:09	5
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/L			05/27/26 16:09	5
1,2-Dibromo-3-Chloropropane	ND		2.5	1.3	ug/L			05/27/26 16:09	5
1,2-Dibromoethane	ND		2.5	0.40	ug/L			05/27/26 16:09	5
1,2-Dichlorobenzene	ND		2.5	0.35	ug/L			05/27/26 16:09	5
1,2-Dichloroethane	ND		2.5	0.85	ug/L			05/27/26 16:09	5
1,2-Dichloropropane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
1,3-Dichlorobenzene	ND		2.5	0.35	ug/L			05/27/26 16:09	5
1,4-Dichlorobenzene	ND		2.5	0.35	ug/L			05/27/26 16:09	5
2-Butanone	ND		25	13	ug/L			05/27/26 16:09	5
2-Hexanone	ND		25	10	ug/L			05/27/26 16:09	5
4-Methyl-2-pentanone	ND		25	5.0	ug/L			05/27/26 16:09	5
Acetone	ND	B	25	7.5	ug/L			05/27/26 16:09	5
Bromodichloromethane	ND		2.5	0.40	ug/L			05/27/26 16:09	5
Bromoform	ND		5.0	1.5	ug/L			05/27/26 16:09	5
Bromomethane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Carbon disulfide	ND		5.0	0.50	ug/L			05/27/26 16:09	5
Carbon tetrachloride	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Chlorobenzene	ND		2.5	0.35	ug/L			05/27/26 16:09	5
Chloroethane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Chloroform	ND		2.5	0.45	ug/L			05/27/26 16:09	5
Chloromethane	ND		2.5	1.1	ug/L			05/27/26 16:09	5
cis-1,2-Dichloroethene	ND		2.5	0.40	ug/L			05/27/26 16:09	5
cis-1,3-Dichloropropene	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Cyclohexane	**0.86**	**J**	2.5	0.50	ug/L			05/27/26 16:09	5
Dibromochloromethane	ND		2.5	0.40	ug/L			05/27/26 16:09	5
Dichlorodifluoromethane	ND		2.5	1.1	ug/L			05/27/26 16:09	5
Ethylbenzene	**28**		2.5	0.40	ug/L			05/27/26 16:09	5
Freon 113	ND		2.5	0.85	ug/L			05/27/26 16:09	5
Isopropylbenzene	**0.96**	**J**	2.5	0.40	ug/L			05/27/26 16:09	5
Methyl acetate	ND		5.0	1.0	ug/L			05/27/26 16:09	5
Methyl tertiary butyl ether	ND		2.5	0.40	ug/L			05/27/26 16:09	5
Methylcyclohexane	**2.3**	**J**	2.5	0.50	ug/L			05/27/26 16:09	5
Methylene Chloride	ND		2.5	1.0	ug/L			05/27/26 16:09	5
Styrene	**23**		2.5	0.35	ug/L			05/27/26 16:09	5
Tetrachloroethene	ND		2.5	1.0	ug/L			05/27/26 16:09	5
Toluene	**25**		2.5	0.40	ug/L			05/27/26 16:09	5
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/L			05/27/26 16:09	5
trans-1,3-Dichloropropene	ND		2.5	0.40	ug/L			05/27/26 16:09	5
Trichloroethene	ND		2.5	0.40	ug/L			05/27/26 16:09	5
Trichlorofluoromethane	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Vinyl chloride	ND		2.5	0.50	ug/L			05/27/26 16:09	5
Xylene (total)	**100**		5.0	0.35	ug/L			05/27/26 16:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/27/26 16:09*	*5*

Client Sample ID: MW-22D
Date Collected: 05/14/26 11:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/27/26 16:09*	*5*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/27/26 16:09*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/26 16:09*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2400**		250	50	ug/L			05/28/26 14:13	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/28/26 14:13*	*500*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/28/26 14:13*	*500*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/28/26 14:13*	*500*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/28/26 14:13*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.23**	**J**	0.96	0.14	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4-Dimethylphenol	**43**	**E**	0.96	0.56	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 19:06	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Methylnaphthalene	**1.0**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Methylphenol	**8.3**		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 19:06	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 19:06	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 19:06	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 19:06	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 19:06	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 19:06	1
Acenaphthene	**0.35**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 19:06	1
Acenaphthylene	**0.89**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 19:06	1
Acetophenone	**0.27**	**J**	0.96	0.15	ug/L		05/16/26 17:11	05/21/26 19:06	1
Anthracene	**0.10**	**J**	0.18	0.047	ug/L		05/16/26 17:11	05/21/26 19:06	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 19:06	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 19:06	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 19:06	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 19:06	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 19:06	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 19:06	1

Client Sample ID: MW-22D
Date Collected: 05/14/26 11:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-8
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 19:06	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 19:06	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 19:06	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 19:06	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 19:06	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 19:06	1
Carbazole	**5.0**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 19:06	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 19:06	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 19:06	1
Dibenzofuran	**0.32**	**J**	0.96	0.18	ug/L		05/16/26 17:11	05/21/26 19:06	1
Diethyl phthalate	**0.25**	**J**	0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:06	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 19:06	1
Di-n-butyl phthalate	**1.4**		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:06	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 19:06	1
Fluoranthene	**0.073**	**J**	0.18	0.058	ug/L		05/16/26 17:11	05/21/26 19:06	1
Fluorene	**0.26**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 19:06	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 19:06	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 19:06	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 19:06	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 19:06	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 19:06	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 19:06	1
Methylphenol, 3 & 4	**1.3**		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:06	1
Naphthalene	**270**	**E ES**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 19:06	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 19:06	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 19:06	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:06	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 19:06	1
Phenanthrene	**0.18**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 19:06	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 19:06	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*40*		*23 - 128*	*05/16/26 17:11*	*05/21/26 19:06*	*1*
2-Fluorobiphenyl	*29*		*20 - 105*	*05/16/26 17:11*	*05/21/26 19:06*	*1*
2-Fluorophenol (Surr)	*16*	*S1-*	*20 - 105*	*05/16/26 17:11*	*05/21/26 19:06*	*1*
Nitrobenzene-d5 (Surr)	*22*		*20 - 107*	*05/16/26 17:11*	*05/21/26 19:06*	*1*
Phenol-d5 (Surr)	*27*		*20 - 106*	*05/16/26 17:11*	*05/21/26 19:06*	*1*
Terphenyl-d14 (Surr)	*29*		*22 - 120*	*05/16/26 17:11*	*05/21/26 19:06*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		24	3.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,2'-oxybis[1-chloropropane]	ND		4.6	2.9	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4,5-Trichlorophenol	ND		24	6.1	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4,6-Trichlorophenol	ND		24	5.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4-Dichlorophenol	ND		4.6	1.2	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4-Dimethylphenol	**45**		24	14	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4-Dinitrophenol	ND		240	78	ug/L		05/16/26 17:11	05/21/26 22:05	25
2,4-Dinitrotoluene	ND		24	8.5	ug/L		05/16/26 17:11	05/21/26 22:05	25

Client: Michael Baker International, Inc.
Job ID: 180-205465-1
Project/Site: Erie Coke Works

Client Sample ID: MW-22D
Lab Sample ID: 180-205465-8
Date Collected: 05/14/26 11:30
Matrix: Water
Date Received: 05/15/26 08:50

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		24	4.2	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Chloronaphthalene	ND		4.6	1.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Chlorophenol	ND		24	5.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Methylnaphthalene	ND		4.6	1.5	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Methylphenol	ND		24	13	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Nitroaniline	ND		120	13	ug/L		05/16/26 17:11	05/21/26 22:05	25
2-Nitrophenol	ND		24	4.6	ug/L		05/16/26 17:11	05/21/26 22:05	25
3,3'-Dichlorobenzidine	ND		24	14	ug/L		05/16/26 17:11	05/21/26 22:05	25
3-Nitroaniline	ND		120	11	ug/L		05/16/26 17:11	05/21/26 22:05	25
4,6-Dinitro-2-methylphenol	ND		120	35	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Bromophenyl phenyl ether	ND		24	7.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Chloro-3-methylphenol	ND		24	10	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Chloroaniline	ND		24	9.0	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Chlorophenyl phenyl ether	ND		24	5.3	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Nitroaniline	ND		120	8.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
4-Nitrophenol	ND		120	23	ug/L		05/16/26 17:11	05/21/26 22:05	25
Acenaphthene	ND		4.6	1.6	ug/L		05/16/26 17:11	05/21/26 22:05	25
Acenaphthylene	ND		4.6	1.6	ug/L		05/16/26 17:11	05/21/26 22:05	25
Acetophenone	ND		24	3.8	ug/L		05/16/26 17:11	05/21/26 22:05	25
Anthracene	ND		4.6	1.2	ug/L		05/16/26 17:11	05/21/26 22:05	25
Atrazine	ND		24	7.1	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzaldehyde	ND		24	13	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzo[a]anthracene	ND		4.6	1.8	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzo[a]pyrene	ND		4.6	3.1	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzo[b]fluoranthene	ND		4.6	2.3	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzo[g,h,i]perylene	ND		4.6	1.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Benzo[k]fluoranthene	ND		4.6	2.1	ug/L		05/16/26 17:11	05/21/26 22:05	25
Bis(2-chloroethoxy)methane	ND		24	3.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Bis(2-chloroethyl)ether	ND		4.6	3.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
Bis(2-ethylhexyl) phthalate	ND		240	50	ug/L		05/16/26 17:11	05/21/26 22:05	25
Butyl benzyl phthalate	ND		48	23	ug/L		05/16/26 17:11	05/21/26 22:05	25
Caprolactam	ND		120	16	ug/L		05/16/26 17:11	05/21/26 22:05	25
Carbazole	**5.3**		4.6	1.2	ug/L		05/16/26 17:11	05/21/26 22:05	25
Chrysene	ND		4.6	1.9	ug/L		05/16/26 17:11	05/21/26 22:05	25
Dibenz(a,h)anthracene	ND		4.6	1.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Dibenzofuran	ND		24	4.6	ug/L		05/16/26 17:11	05/21/26 22:05	25
Diethyl phthalate	ND		24	6.0	ug/L		05/16/26 17:11	05/21/26 22:05	25
Dimethyl phthalate	ND		48	4.8	ug/L		05/16/26 17:11	05/21/26 22:05	25
Di-n-butyl phthalate	ND		24	9.1	ug/L		05/16/26 17:11	05/21/26 22:05	25
Di-n-octyl phthalate	ND	^c	24	16	ug/L		05/16/26 17:11	05/21/26 22:05	25
Fluoranthene	ND		4.6	1.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
Fluorene	ND		4.6	1.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Hexachlorobenzene	ND		4.6	1.3	ug/L		05/16/26 17:11	05/21/26 22:05	25
Hexachlorobutadiene	ND		4.6	3.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Hexachlorocyclopentadiene	ND		24	12	ug/L		05/16/26 17:11	05/21/26 22:05	25
Hexachloroethane	ND		24	7.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
Indeno[1,2,3-cd]pyrene	ND		4.6	2.0	ug/L		05/16/26 17:11	05/21/26 22:05	25
Isophorone	ND		24	4.5	ug/L		05/16/26 17:11	05/21/26 22:05	25
Methylphenol, 3 & 4	ND		24	8.9	ug/L		05/16/26 17:11	05/21/26 22:05	25

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-22D
Date Collected: 05/14/26 11:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-8
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**470**		4.6	1.4	ug/L		05/16/26 17:11	05/21/26 22:05	25
Nitrobenzene	ND		48	12	ug/L		05/16/26 17:11	05/21/26 22:05	25
N-Nitrosodi-n-propylamine	ND		4.6	1.7	ug/L		05/16/26 17:11	05/21/26 22:05	25
N-Nitrosodiphenylamine	ND		24	6.0	ug/L		05/16/26 17:11	05/21/26 22:05	25
Pentachlorophenol	ND		120	20	ug/L		05/16/26 17:11	05/21/26 22:05	25
Phenanthrene	ND		4.6	3.8	ug/L		05/16/26 17:11	05/21/26 22:05	25
Phenol	ND		24	12	ug/L		05/16/26 17:11	05/21/26 22:05	25
Pyrene	ND		4.6	2.7	ug/L		05/16/26 17:11	05/21/26 22:05	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/16/26 17:11*	*05/21/26 22:05*	*25*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/16/26 17:11*	*05/21/26 22:05*	*25*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/16/26 17:11*	*05/21/26 22:05*	*25*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/16/26 17:11*	*05/21/26 22:05*	*25*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/16/26 17:11*	*05/21/26 22:05*	*25*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/16/26 17:11*	*05/21/26 22:05*	*25*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-22S
Date Collected: 05/14/26 12:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.80	ug/L			05/28/26 19:02	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
1,1,2-Trichloroethane	ND		5.0	0.80	ug/L			05/28/26 19:02	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
1,1-Dichloroethene	ND		5.0	1.0	ug/L			05/28/26 19:02	10
1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L			05/28/26 19:02	10
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/L			05/28/26 19:02	10
1,2-Dibromoethane	ND		5.0	0.80	ug/L			05/28/26 19:02	10
1,2-Dichlorobenzene	ND		5.0	0.70	ug/L			05/28/26 19:02	10
1,2-Dichloroethane	ND		5.0	1.7	ug/L			05/28/26 19:02	10
1,2-Dichloropropane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
1,3-Dichlorobenzene	ND		5.0	0.70	ug/L			05/28/26 19:02	10
1,4-Dichlorobenzene	ND		5.0	0.70	ug/L			05/28/26 19:02	10
2-Butanone	ND	^c *+	50	25	ug/L			05/28/26 19:02	10
2-Hexanone	ND	^c *+	50	20	ug/L			05/28/26 19:02	10
4-Methyl-2-pentanone	ND	^c *+	50	10	ug/L			05/28/26 19:02	10
Acetone	ND		50	15	ug/L			05/28/26 19:02	10
Bromodichloromethane	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Bromoform	ND		10	3.0	ug/L			05/28/26 19:02	10
Bromomethane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Carbon disulfide	**3.1**	**J B**	10	1.0	ug/L			05/28/26 19:02	10
Carbon tetrachloride	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Chlorobenzene	ND		5.0	0.70	ug/L			05/28/26 19:02	10
Chloroethane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Chloroform	ND		5.0	0.90	ug/L			05/28/26 19:02	10
Chloromethane	ND		5.0	2.2	ug/L			05/28/26 19:02	10
cis-1,2-Dichloroethene	ND		5.0	0.80	ug/L			05/28/26 19:02	10
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Cyclohexane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Dibromochloromethane	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Dichlorodifluoromethane	ND	^c	5.0	2.2	ug/L			05/28/26 19:02	10
Ethylbenzene	**10**		5.0	0.80	ug/L			05/28/26 19:02	10
Freon 113	ND		5.0	1.7	ug/L			05/28/26 19:02	10
Isopropylbenzene	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Methyl acetate	ND		10	2.0	ug/L			05/28/26 19:02	10
Methyl tertiary butyl ether	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Methylcyclohexane	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Methylene Chloride	ND		5.0	2.0	ug/L			05/28/26 19:02	10
Styrene	ND		5.0	0.70	ug/L			05/28/26 19:02	10
Tetrachloroethene	ND		5.0	2.0	ug/L			05/28/26 19:02	10
Toluene	**1.3**	**J**	5.0	0.80	ug/L			05/28/26 19:02	10
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/L			05/28/26 19:02	10
trans-1,3-Dichloropropene	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Trichloroethene	ND		5.0	0.80	ug/L			05/28/26 19:02	10
Trichlorofluoromethane	ND	^c	5.0	1.0	ug/L			05/28/26 19:02	10
Vinyl chloride	ND		5.0	1.0	ug/L			05/28/26 19:02	10
Xylene (total)	**12**		10	0.70	ug/L			05/28/26 19:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/28/26 19:02*	*10*

Client Sample ID: MW-22S

Lab Sample ID: 180-205465-9

Date Collected: 05/14/26 12:45

Matrix: Water

Date Received: 05/15/26 08:50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/28/26 19:02*	*10*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*05/28/26 19:02*	*10*
Toluene-d8 (Surr)	*108*		*80 - 120*		*05/28/26 19:02*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**580**		50	10	ug/L			05/28/26 19:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/28/26 19:25*	*100*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/28/26 19:25*	*100*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/28/26 19:25*	*100*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/28/26 19:25*	*100*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.57**	**J**	0.96	0.14	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 19:29	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Methylnaphthalene	**0.50**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 19:29	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 19:29	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 19:29	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 19:29	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 19:29	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 19:29	1
Acenaphthene	**0.67**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 19:29	1
Acenaphthylene	**1.8**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 19:29	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 19:29	1
Anthracene	**0.12**	**J**	0.18	0.047	ug/L		05/16/26 17:11	05/21/26 19:29	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 19:29	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 19:29	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 19:29	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 19:29	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 19:29	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 19:29	1

Client Sample ID: MW-22S
Date Collected: 05/14/26 12:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 19:29	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 19:29	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 19:29	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 19:29	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 19:29	1
Caprolactam	**1.3**	**J**	4.8	0.65	ug/L		05/16/26 17:11	05/21/26 19:29	1
Carbazole	**5.7**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 19:29	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 19:29	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 19:29	1
Dibenzofuran	**0.74**	**J**	0.96	0.18	ug/L		05/16/26 17:11	05/21/26 19:29	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:29	1
Dimethyl phthalate	**0.34**	**J**	1.9	0.19	ug/L		05/16/26 17:11	05/21/26 19:29	1
Di-n-butyl phthalate	**1.2**		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:29	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 19:29	1
Fluoranthene	**0.33**		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 19:29	1
Fluorene	**0.56**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 19:29	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 19:29	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 19:29	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 19:29	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 19:29	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 19:29	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 19:29	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 19:29	1
Naphthalene	**48**	**E**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 19:29	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 19:29	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 19:29	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 19:29	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 19:29	1
Phenanthrene	**0.57**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 19:29	1
Phenol	**2.0**		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 19:29	1
Pyrene	**0.18**		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*45*		*23 - 128*	*05/16/26 17:11*	*05/21/26 19:29*	*1*
2-Fluorobiphenyl	*35*		*20 - 105*	*05/16/26 17:11*	*05/21/26 19:29*	*1*
2-Fluorophenol (Surr)	*36*		*20 - 105*	*05/16/26 17:11*	*05/21/26 19:29*	*1*
Nitrobenzene-d5 (Surr)	*35*		*20 - 107*	*05/16/26 17:11*	*05/21/26 19:29*	*1*
Phenol-d5 (Surr)	*39*		*20 - 106*	*05/16/26 17:11*	*05/21/26 19:29*	*1*
Terphenyl-d14 (Surr)	*35*		*22 - 120*	*05/16/26 17:11*	*05/21/26 19:29*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.64**	**J**	3.8	0.55	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,2'-oxybis[1-chloropropane]	ND		0.73	0.47	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4,5-Trichlorophenol	ND		3.8	0.97	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4,6-Trichlorophenol	ND		3.8	0.86	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4-Dichlorophenol	ND		0.73	0.20	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4-Dimethylphenol	ND		3.8	2.3	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4-Dinitrophenol	ND		38	13	ug/L		05/16/26 17:11	05/22/26 19:21	4
2,4-Dinitrotoluene	ND		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 19:21	4

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-22S
Date Collected: 05/14/26 12:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		3.8	0.67	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Chloronaphthalene	ND		0.73	0.23	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Chlorophenol	ND		3.8	0.87	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Methylnaphthalene	**0.51**	**J**	0.73	0.24	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Methylphenol	ND		3.8	2.1	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Nitroaniline	ND		19	2.1	ug/L		05/16/26 17:11	05/22/26 19:21	4
2-Nitrophenol	ND		3.8	0.74	ug/L		05/16/26 17:11	05/22/26 19:21	4
3,3'-Dichlorobenzidine	ND		3.8	2.2	ug/L		05/16/26 17:11	05/22/26 19:21	4
3-Nitroaniline	ND		19	1.7	ug/L		05/16/26 17:11	05/22/26 19:21	4
4,6-Dinitro-2-methylphenol	ND		19	5.7	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Bromophenyl phenyl ether	ND		3.8	1.2	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Chloro-3-methylphenol	ND		3.8	1.7	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Chloroaniline	ND		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Chlorophenyl phenyl ether	ND		3.8	0.85	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Nitroaniline	ND		19	1.4	ug/L		05/16/26 17:11	05/22/26 19:21	4
4-Nitrophenol	ND		19	3.6	ug/L		05/16/26 17:11	05/22/26 19:21	4
Acenaphthene	**0.59**	**J**	0.73	0.25	ug/L		05/16/26 17:11	05/22/26 19:21	4
Acenaphthylene	**1.7**		0.73	0.25	ug/L		05/16/26 17:11	05/22/26 19:21	4
Acetophenone	ND		3.8	0.61	ug/L		05/16/26 17:11	05/22/26 19:21	4
Anthracene	ND		0.73	0.19	ug/L		05/16/26 17:11	05/22/26 19:21	4
Atrazine	ND		3.8	1.1	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzaldehyde	ND		3.8	2.1	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzo[a]anthracene	ND		0.73	0.29	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzo[a]pyrene	ND		0.73	0.49	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzo[b]fluoranthene	ND		0.73	0.37	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzo[g,h,i]perylene	ND		0.73	0.27	ug/L		05/16/26 17:11	05/22/26 19:21	4
Benzo[k]fluoranthene	ND		0.73	0.34	ug/L		05/16/26 17:11	05/22/26 19:21	4
Bis(2-chloroethoxy)methane	ND		3.8	0.58	ug/L		05/16/26 17:11	05/22/26 19:21	4
Bis(2-chloroethyl)ether	ND		0.73	0.54	ug/L		05/16/26 17:11	05/22/26 19:21	4
Bis(2-ethylhexyl) phthalate	ND		38	8.0	ug/L		05/16/26 17:11	05/22/26 19:21	4
Butyl benzyl phthalate	ND		7.7	3.6	ug/L		05/16/26 17:11	05/22/26 19:21	4
Caprolactam	ND		19	2.6	ug/L		05/16/26 17:11	05/22/26 19:21	4
Carbazole	**5.3**		0.73	0.20	ug/L		05/16/26 17:11	05/22/26 19:21	4
Chrysene	ND		0.73	0.31	ug/L		05/16/26 17:11	05/22/26 19:21	4
Dibenz(a,h)anthracene	ND		0.73	0.28	ug/L		05/16/26 17:11	05/22/26 19:21	4
Dibenzofuran	ND		3.8	0.73	ug/L		05/16/26 17:11	05/22/26 19:21	4
Diethyl phthalate	ND		3.8	0.96	ug/L		05/16/26 17:11	05/22/26 19:21	4
Dimethyl phthalate	ND		7.7	0.77	ug/L		05/16/26 17:11	05/22/26 19:21	4
Di-n-butyl phthalate	ND		3.8	1.5	ug/L		05/16/26 17:11	05/22/26 19:21	4
Di-n-octyl phthalate	ND		3.8	2.6	ug/L		05/16/26 17:11	05/22/26 19:21	4
Fluoranthene	**0.29**	**J**	0.73	0.23	ug/L		05/16/26 17:11	05/22/26 19:21	4
Fluorene	**0.50**	**J**	0.73	0.27	ug/L		05/16/26 17:11	05/22/26 19:21	4
Hexachlorobenzene	ND		0.73	0.22	ug/L		05/16/26 17:11	05/22/26 19:21	4
Hexachlorobutadiene	ND		0.73	0.60	ug/L		05/16/26 17:11	05/22/26 19:21	4
Hexachlorocyclopentadiene	ND		3.8	1.9	ug/L		05/16/26 17:11	05/22/26 19:21	4
Hexachloroethane	ND		3.8	1.2	ug/L		05/16/26 17:11	05/22/26 19:21	4
Indeno[1,2,3-cd]pyrene	ND		0.73	0.33	ug/L		05/16/26 17:11	05/22/26 19:21	4
Isophorone	ND		3.8	0.72	ug/L		05/16/26 17:11	05/22/26 19:21	4
Methylphenol, 3 & 4	ND		3.8	1.4	ug/L		05/16/26 17:11	05/22/26 19:21	4

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-22S
Date Collected: 05/14/26 12:45
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**51**		0.73	0.23	ug/L		05/16/26 17:11	05/22/26 19:21	4
Nitrobenzene	ND		7.7	1.9	ug/L		05/16/26 17:11	05/22/26 19:21	4
N-Nitrosodi-n-propylamine	ND		0.73	0.27	ug/L		05/16/26 17:11	05/22/26 19:21	4
N-Nitrosodiphenylamine	ND		3.8	0.96	ug/L		05/16/26 17:11	05/22/26 19:21	4
Pentachlorophenol	ND		19	3.3	ug/L		05/16/26 17:11	05/22/26 19:21	4
Phenanthrene	ND		0.73	0.60	ug/L		05/16/26 17:11	05/22/26 19:21	4
Phenol	**2.1**	**J**	3.8	1.9	ug/L		05/16/26 17:11	05/22/26 19:21	4
Pyrene	ND		0.73	0.43	ug/L		05/16/26 17:11	05/22/26 19:21	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*38*		*23 - 128*	*05/16/26 17:11*	*05/22/26 19:21*	*4*
2-Fluorobiphenyl	*37*		*20 - 105*	*05/16/26 17:11*	*05/22/26 19:21*	*4*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*05/16/26 17:11*	*05/22/26 19:21*	*4*
Nitrobenzene-d5 (Surr)	*36*		*20 - 107*	*05/16/26 17:11*	*05/22/26 19:21*	*4*
Phenol-d5 (Surr)	*43*		*20 - 106*	*05/16/26 17:11*	*05/22/26 19:21*	*4*
Terphenyl-d14 (Surr)	*40*		*22 - 120*	*05/16/26 17:11*	*05/22/26 19:21*	*4*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-47

Date Collected: 05/14/26 15:25
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 14:39	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 14:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 14:39	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 14:39	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 14:39	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 14:39	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 14:39	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 14:39	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 14:39	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 14:39	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 14:39	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 14:39	1
Acetone	**3.7**	**J B**	5.0	1.5	ug/L			05/27/26 14:39	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 14:39	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 14:39	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 14:39	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 14:39	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 14:39	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 14:39	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 14:39	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 14:39	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Methylene Chloride	**0.27**	**J**	0.50	0.20	ug/L			05/27/26 14:39	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 14:39	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 14:39	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 14:39	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 14:39	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 14:39	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 14:39	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-47

Date Collected: 05/14/26 15:25
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-10

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/27/26 14:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/27/26 14:39*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/27/26 14:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/26 14:39*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 19:51	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Methylnaphthalene	**0.17**	**J**	0.19	0.062	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 19:51	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 19:51	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 19:51	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 19:51	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 19:51	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 19:51	1
Acenaphthene	**0.097**	**J**	0.19	0.065	ug/L		05/16/26 17:11	05/21/26 19:51	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 19:51	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 19:51	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:11	05/21/26 19:51	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 19:51	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 19:51	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 19:51	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 19:51	1
Bis(2-ethylhexyl) phthalate	**3.6**	**J**	10	2.1	ug/L		05/16/26 17:11	05/21/26 19:51	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 19:51	1
Caprolactam	**1.0**	**J**	5.0	0.68	ug/L		05/16/26 17:11	05/21/26 19:51	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 19:51	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 19:51	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 19:51	1

Client Sample ID: MW-47
Date Collected: 05/14/26 15:25
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-10
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 19:51	1
Diethyl phthalate	**0.25**	**J**	1.0	0.25	ug/L		05/16/26 17:11	05/21/26 19:51	1
Dimethyl phthalate	**0.43**	**J**	2.0	0.20	ug/L		05/16/26 17:11	05/21/26 19:51	1
Di-n-butyl phthalate	**0.85**	**J**	1.0	0.38	ug/L		05/16/26 17:11	05/21/26 19:51	1
Di-n-octyl phthalate	ND	^c	1.0	0.69	ug/L		05/16/26 17:11	05/21/26 19:51	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:11	05/21/26 19:51	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 19:51	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 19:51	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 19:51	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 19:51	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 19:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 19:51	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 19:51	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 19:51	1
Naphthalene	**0.54**		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 19:51	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 19:51	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 19:51	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 19:51	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 19:51	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 19:51	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:11	05/21/26 19:51	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*23 - 128*	*05/16/26 17:11*	*05/21/26 19:51*	*1*
2-Fluorobiphenyl	*63*		*20 - 105*	*05/16/26 17:11*	*05/21/26 19:51*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 105*	*05/16/26 17:11*	*05/21/26 19:51*	*1*
Nitrobenzene-d5 (Surr)	*68*		*20 - 107*	*05/16/26 17:11*	*05/21/26 19:51*	*1*
Phenol-d5 (Surr)	*66*		*20 - 106*	*05/16/26 17:11*	*05/21/26 19:51*	*1*
Terphenyl-d14 (Surr)	*66*		*22 - 120*	*05/16/26 17:11*	*05/21/26 19:51*	*1*

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		1.00	0.712	mg/L			05/16/26 00:46	1
Sulfate	**294**		5.00	3.78	mg/L			05/16/26 01:00	5
Nitrate as N	**0.625**		0.100	0.0230	mg/L			05/16/26 00:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 00:09	05/29/26 11:53	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 00:09	05/29/26 11:53	1
Arsenic	ND		2.0	0.68	ug/L		05/29/26 00:09	05/29/26 11:53	1
Barium	**53**		2.0	0.75	ug/L		05/29/26 00:09	05/29/26 11:53	1
Beryllium	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 18:52	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 00:09	05/29/26 11:53	1
Calcium	**180000**		1200	500	ug/L		05/29/26 00:09	05/29/26 18:54	10
Chromium	**0.63**	**J**	2.0	0.55	ug/L		05/29/26 00:09	05/29/26 11:53	1
Cobalt	ND		0.50	0.16	ug/L		05/29/26 00:09	05/29/26 11:53	1
Copper	**0.90**	**J**	1.0	0.85	ug/L		05/29/26 00:09	05/29/26 11:53	1
Iron	**36**	**J**	50	20	ug/L		05/29/26 00:09	05/29/26 11:53	1

Client Sample ID: MW-47

Date Collected: 05/14/26 15:25
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-10

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 11:53	1
Magnesium	**36000**		50	16	ug/L		05/29/26 00:09	05/29/26 11:53	1
Manganese	**23**		2.0	0.95	ug/L		05/29/26 00:09	05/29/26 11:53	1
Nickel	ND		1.0	0.40	ug/L		05/29/26 00:09	05/29/26 11:53	1
Potassium	**22000**		200	65	ug/L		05/29/26 00:09	05/29/26 11:53	1
Selenium	**1.1**		1.0	0.28	ug/L		05/29/26 00:09	05/29/26 11:53	1
Silver	ND		0.50	0.10	ug/L		05/29/26 00:09	05/29/26 11:53	1
Sodium	**99000**		200	90	ug/L		05/29/26 00:09	05/29/26 11:53	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 00:09	05/29/26 11:53	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 00:09	05/29/26 11:53	1
Zinc	ND		10	4.0	ug/L		05/29/26 00:09	05/29/26 11:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	12	ug/L		05/21/26 11:51	05/24/26 01:18	1
Antimony	ND		1.0	0.21	ug/L		05/21/26 11:51	05/24/26 01:18	1
Arsenic	ND		2.1	0.70	ug/L		05/21/26 11:51	05/24/26 01:18	1
Barium	**51**		2.1	0.77	ug/L		05/21/26 11:51	05/24/26 01:18	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:18	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:18	1
Calcium	**200000**		1200	520	ug/L		05/21/26 11:51	05/25/26 16:03	10
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:51	05/24/26 01:18	1
Cobalt	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:18	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:51	05/24/26 01:18	1
Iron	**22**	**J**	52	21	ug/L		05/21/26 11:51	05/24/26 01:18	1
Lead	**0.24**	**J B**	0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:18	1
Magnesium	**33000**		52	16	ug/L		05/21/26 11:51	05/24/26 01:18	1
Manganese	**22**		2.1	0.98	ug/L		05/21/26 11:51	05/24/26 01:18	1
Nickel	ND		1.0	0.41	ug/L		05/21/26 11:51	05/24/26 01:18	1
Potassium	**21000**		210	67	ug/L		05/21/26 11:51	05/24/26 01:18	1
Selenium	**1.0**		1.0	0.29	ug/L		05/21/26 11:51	05/24/26 01:18	1
Silver	ND		0.52	0.10	ug/L		05/21/26 11:51	05/24/26 01:18	1
Sodium	**93000**		210	93	ug/L		05/21/26 11:51	05/24/26 01:18	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:51	05/24/26 01:18	1
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:51	05/24/26 01:18	1
Zinc	ND		10	4.1	ug/L		05/21/26 11:51	05/24/26 01:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/26/26 10:37	05/26/26 15:49	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/21/26 19:25	05/22/26 02:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 322.146**	**H**	15	12	mg/L			06/02/26 07:33	1
Turbidity (EPA 180.1)	**0.30**	**J**	0.85	0.05	NTU			05/15/26 15:13	1
Total Dissolved Solids (SM 2540C)	**1000**		10	10	mg/L			05/21/26 18:15	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-47
Date Collected: 05/14/26 15:25
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-10
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	320		5.0	5.0	mg/L			05/22/26 10:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.5	HF	0.1	0.1	SU			05/16/26 15:15	1
Specific Conductance (SM 2510B)	1600		1.0	1.0	umhos/cm			05/21/26 14:13	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-23
Date Collected: 05/14/26 08:50
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 18:18	5
1,1,2,2-Tetrachloroethane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
1,1,2-Trichloroethane	ND		2.5	0.40	ug/L			05/28/26 18:18	5
1,1-Dichloroethane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
1,1-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 18:18	5
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/L			05/28/26 18:18	5
1,2-Dibromo-3-Chloropropane	ND		2.5	1.3	ug/L			05/28/26 18:18	5
1,2-Dibromoethane	ND		2.5	0.40	ug/L			05/28/26 18:18	5
1,2-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 18:18	5
1,2-Dichloroethane	ND		2.5	0.85	ug/L			05/28/26 18:18	5
1,2-Dichloropropane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
1,3-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 18:18	5
1,4-Dichlorobenzene	ND		2.5	0.35	ug/L			05/28/26 18:18	5
2-Butanone	ND	^c *+	25	13	ug/L			05/28/26 18:18	5
2-Hexanone	ND	^c *+	25	10	ug/L			05/28/26 18:18	5
4-Methyl-2-pentanone	ND	^c *+	25	5.0	ug/L			05/28/26 18:18	5
Acetone	ND		25	7.5	ug/L			05/28/26 18:18	5
Bromodichloromethane	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Bromoform	ND		5.0	1.5	ug/L			05/28/26 18:18	5
Bromomethane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Carbon disulfide	**1.7**	**J B**	5.0	0.50	ug/L			05/28/26 18:18	5
Carbon tetrachloride	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Chlorobenzene	ND		2.5	0.35	ug/L			05/28/26 18:18	5
Chloroethane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Chloroform	ND		2.5	0.45	ug/L			05/28/26 18:18	5
Chloromethane	ND		2.5	1.1	ug/L			05/28/26 18:18	5
cis-1,2-Dichloroethene	ND		2.5	0.40	ug/L			05/28/26 18:18	5
cis-1,3-Dichloropropene	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Cyclohexane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Dibromochloromethane	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Dichlorodifluoromethane	ND	^c	2.5	1.1	ug/L			05/28/26 18:18	5
Ethylbenzene	**0.62**	**J**	2.5	0.40	ug/L			05/28/26 18:18	5
Freon 113	ND		2.5	0.85	ug/L			05/28/26 18:18	5
Isopropylbenzene	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Methyl acetate	ND		5.0	1.0	ug/L			05/28/26 18:18	5
Methyl tertiary butyl ether	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Methylcyclohexane	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Methylene Chloride	ND		2.5	1.0	ug/L			05/28/26 18:18	5
Styrene	ND		2.5	0.35	ug/L			05/28/26 18:18	5
Tetrachloroethene	ND		2.5	1.0	ug/L			05/28/26 18:18	5
Toluene	ND		2.5	0.40	ug/L			05/28/26 18:18	5
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/L			05/28/26 18:18	5
trans-1,3-Dichloropropene	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Trichloroethene	ND		2.5	0.40	ug/L			05/28/26 18:18	5
Trichlorofluoromethane	ND	^c	2.5	0.50	ug/L			05/28/26 18:18	5
Vinyl chloride	ND		2.5	0.50	ug/L			05/28/26 18:18	5
Xylene (total)	**0.53**	**J**	5.0	0.35	ug/L			05/28/26 18:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/28/26 18:18*	*5*

Client Sample ID: MW-23
Date Collected: 05/14/26 08:50
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/28/26 18:18*	*5*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/28/26 18:18*	*5*
Toluene-d8 (Surr)	*106*		*80 - 120*		*05/28/26 18:18*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**300**		25	5.0	ug/L			05/28/26 18:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/28/26 18:40*	*50*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/28/26 18:40*	*50*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/28/26 18:40*	*50*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/28/26 18:40*	*50*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.16**	**J**	1.0	0.14	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4-Dimethylphenol	**2.3**		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 20:14	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Methylnaphthalene	**0.072**	**J**	0.19	0.062	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 20:14	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 20:14	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 20:14	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 20:14	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 20:14	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 20:14	1
Acenaphthene	**0.10**	**J**	0.19	0.065	ug/L		05/16/26 17:11	05/21/26 20:14	1
Acenaphthylene	**0.15**	**J**	0.19	0.065	ug/L		05/16/26 17:11	05/21/26 20:14	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 20:14	1
Anthracene	**0.12**	**J**	0.19	0.049	ug/L		05/16/26 17:11	05/21/26 20:14	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 20:14	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 20:14	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 20:14	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 20:14	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 20:14	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 20:14	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-23
Date Collected: 05/14/26 08:50
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-11
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 20:14	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 20:14	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 20:14	1
Bis(2-ethylhexyl) phthalate	**2.5**	**J**	10	2.1	ug/L		05/16/26 17:11	05/21/26 20:14	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 20:14	1
Caprolactam	**0.83**	**J**	5.0	0.68	ug/L		05/16/26 17:11	05/21/26 20:14	1
Carbazole	**0.18**	**J**	0.19	0.051	ug/L		05/16/26 17:11	05/21/26 20:14	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 20:14	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 20:14	1
Dibenzofuran	**0.23**	**J**	1.0	0.19	ug/L		05/16/26 17:11	05/21/26 20:14	1
Diethyl phthalate	**0.26**	**J**	1.0	0.25	ug/L		05/16/26 17:11	05/21/26 20:14	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:11	05/21/26 20:14	1
Di-n-butyl phthalate	**0.44**	**J**	1.0	0.38	ug/L		05/16/26 17:11	05/21/26 20:14	1
Di-n-octyl phthalate	ND	^c	1.0	0.69	ug/L		05/16/26 17:11	05/21/26 20:14	1
Fluoranthene	**0.086**	**J**	0.19	0.060	ug/L		05/16/26 17:11	05/21/26 20:14	1
Fluorene	**0.14**	**J**	0.19	0.069	ug/L		05/16/26 17:11	05/21/26 20:14	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 20:14	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 20:14	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 20:14	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 20:14	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 20:14	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 20:14	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 20:14	1
Naphthalene	**1.7**		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 20:14	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 20:14	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 20:14	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 20:14	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 20:14	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 20:14	1
Phenol	**10**		1.0	0.49	ug/L		05/16/26 17:11	05/21/26 20:14	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*23 - 128*	*05/16/26 17:11*	*05/21/26 20:14*	*1*
2-Fluorobiphenyl	*67*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:14*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:14*	*1*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*	*05/16/26 17:11*	*05/21/26 20:14*	*1*
Phenol-d5 (Surr)	*66*		*20 - 106*	*05/16/26 17:11*	*05/21/26 20:14*	*1*
Terphenyl-d14 (Surr)	*74*		*22 - 120*	*05/16/26 17:11*	*05/21/26 20:14*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-38D
Date Collected: 05/14/26 10:10
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 15:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 15:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 15:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 15:01	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 15:01	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 15:01	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:01	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 15:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:01	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:01	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 15:01	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 15:01	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 15:01	1
Acetone	ND	B	5.0	1.5	ug/L			05/27/26 15:01	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 15:01	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 15:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:01	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 15:01	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 15:01	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 15:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 15:01	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 15:01	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Methylene Chloride	**0.32**	**J**	0.50	0.20	ug/L			05/27/26 15:01	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 15:01	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 15:01	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 15:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 15:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 15:01	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 15:01	1

Client Sample ID: MW-38D
Date Collected: 05/14/26 10:10
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-12
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/27/26 15:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/27/26 15:01*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/27/26 15:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/26 15:01*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 20:36	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Methylnaphthalene	**0.19**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 20:36	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 20:36	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 20:36	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 20:36	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 20:36	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 20:36	1
Acenaphthene	**0.17**	**J**	0.18	0.063	ug/L		05/16/26 17:11	05/21/26 20:36	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 20:36	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 20:36	1
Anthracene	**0.085**	**J**	0.18	0.047	ug/L		05/16/26 17:11	05/21/26 20:36	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 20:36	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 20:36	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 20:36	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 20:36	1
Bis(2-ethylhexyl) phthalate	**4.8**	**J**	9.6	2.0	ug/L		05/16/26 17:11	05/21/26 20:36	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 20:36	1
Caprolactam	**0.75**	**J**	4.8	0.65	ug/L		05/16/26 17:11	05/21/26 20:36	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 20:36	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 20:36	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 20:36	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-38D
Date Collected: 05/14/26 10:10
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-12
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 20:36	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:36	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 20:36	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:36	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 20:36	1
Fluoranthene	**0.071**	**J**	0.18	0.058	ug/L		05/16/26 17:11	05/21/26 20:36	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 20:36	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 20:36	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 20:36	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 20:36	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 20:36	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 20:36	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 20:36	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:36	1
Naphthalene	**0.17**	**J**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 20:36	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 20:36	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 20:36	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:36	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 20:36	1
Phenanthrene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 20:36	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 20:36	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*23 - 128*	*05/16/26 17:11*	*05/21/26 20:36*	*1*
2-Fluorobiphenyl	*60*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:36*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:36*	*1*
Nitrobenzene-d5 (Surr)	*59*		*20 - 107*	*05/16/26 17:11*	*05/21/26 20:36*	*1*
Phenol-d5 (Surr)	*56*		*20 - 106*	*05/16/26 17:11*	*05/21/26 20:36*	*1*
Terphenyl-d14 (Surr)	*58*		*22 - 120*	*05/16/26 17:11*	*05/21/26 20:36*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-33

Date Collected: 05/14/26 12:15
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 15:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 15:20	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 15:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 15:20	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 15:20	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 15:20	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:20	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 15:20	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:20	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:20	1
2-Butanone	ND	^c *+	5.0	2.5	ug/L			05/28/26 15:20	1
2-Hexanone	ND	^c *+	5.0	2.0	ug/L			05/28/26 15:20	1
4-Methyl-2-pentanone	ND	^c *+	5.0	1.0	ug/L			05/28/26 15:20	1
Acetone	ND		5.0	1.5	ug/L			05/28/26 15:20	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 15:20	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Carbon disulfide	**0.31**	**J B**	1.0	0.10	ug/L			05/28/26 15:20	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:20	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 15:20	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 15:20	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 15:20	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 15:20	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 15:20	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 15:20	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 15:20	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 15:20	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 15:20	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 15:20	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 15:20	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 15:20	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 15:20	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-33
Date Collected: 05/14/26 12:15
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-13
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/28/26 15:20*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/28/26 15:20*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/28/26 15:20*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/28/26 15:20*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 20:58	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Chloronaphthalene	**0.088**	**J**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Methylnaphthalene	**0.16**	**J**	0.18	0.060	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 20:58	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 20:58	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 20:58	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 20:58	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 20:58	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 20:58	1
Acenaphthene	**0.15**	**J**	0.18	0.063	ug/L		05/16/26 17:11	05/21/26 20:58	1
Acenaphthylene	**0.097**	**J**	0.18	0.063	ug/L		05/16/26 17:11	05/21/26 20:58	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 20:58	1
Anthracene	ND		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 20:58	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzo[a]anthracene	ND		0.18	0.072	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 20:58	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 20:58	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 20:58	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 20:58	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 20:58	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 20:58	1
Caprolactam	**0.65**	**J**	4.8	0.65	ug/L		05/16/26 17:11	05/21/26 20:58	1
Carbazole	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 20:58	1
Chrysene	ND		0.18	0.078	ug/L		05/16/26 17:11	05/21/26 20:58	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 20:58	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-33
Date Collected: 05/14/26 12:15
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-13
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 20:58	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:58	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 20:58	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:58	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 20:58	1
Fluoranthene	**0.15**	**J**	0.18	0.058	ug/L		05/16/26 17:11	05/21/26 20:58	1
Fluorene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 20:58	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 20:58	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 20:58	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 20:58	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 20:58	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 20:58	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 20:58	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 20:58	1
Naphthalene	**0.12**	**J**	0.18	0.057	ug/L		05/16/26 17:11	05/21/26 20:58	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 20:58	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 20:58	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 20:58	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 20:58	1
Phenanthrene	**0.20**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 20:58	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 20:58	1
Pyrene	ND		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*23 - 128*	*05/16/26 17:11*	*05/21/26 20:58*	*1*
2-Fluorobiphenyl	*64*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:58*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 105*	*05/16/26 17:11*	*05/21/26 20:58*	*1*
Nitrobenzene-d5 (Surr)	*63*		*20 - 107*	*05/16/26 17:11*	*05/21/26 20:58*	*1*
Phenol-d5 (Surr)	*63*		*20 - 106*	*05/16/26 17:11*	*05/21/26 20:58*	*1*
Terphenyl-d14 (Surr)	*69*		*22 - 120*	*05/16/26 17:11*	*05/21/26 20:58*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 15:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 15:23	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 15:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 15:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 15:23	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 15:23	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:23	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 15:23	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:23	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:23	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 15:23	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 15:23	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 15:23	1
Acetone	ND	B	5.0	1.5	ug/L			05/27/26 15:23	1
Benzene	**4.5**		0.50	0.10	ug/L			05/27/26 15:23	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 15:23	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 15:23	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 15:23	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 15:23	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 15:23	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 15:23	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 15:23	1
Ethylbenzene	**0.34**	**J**	0.50	0.080	ug/L			05/27/26 15:23	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 15:23	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 15:23	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Methylene Chloride	**0.27**	**J**	0.50	0.20	ug/L			05/27/26 15:23	1
Styrene	**0.39**	**J**	0.50	0.070	ug/L			05/27/26 15:23	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 15:23	1
Toluene	**0.96**		0.50	0.080	ug/L			05/27/26 15:23	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 15:23	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 15:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 15:23	1
Xylene (total)	**2.4**		1.0	0.070	ug/L			05/27/26 15:23	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-14
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/27/26 15:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/27/26 15:23*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/27/26 15:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/27/26 15:23*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.58**	**J**	0.96	0.14	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4,5-Trichlorophenol	**0.77**	**J**	0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4,6-Trichlorophenol	**0.51**	**J**	0.96	0.22	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4-Dichlorophenol	**0.22**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4-Dimethylphenol	**0.58**	**J**	0.96	0.56	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 21:21	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Chloronaphthalene	**0.61**		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Methylnaphthalene	**0.66**		0.18	0.060	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 21:21	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 21:21	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 21:21	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 21:21	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 21:21	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 21:21	1
Acenaphthene	**1.2**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 21:21	1
Acenaphthylene	**1.7**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 21:21	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 21:21	1
Anthracene	**0.26**		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 21:21	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzo[a]anthracene	**0.098**	**J**	0.18	0.072	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 21:21	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 21:21	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 21:21	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 21:21	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/16/26 17:11	05/21/26 21:21	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 21:21	1
Caprolactam	**1.4**	**J**	4.8	0.65	ug/L		05/16/26 17:11	05/21/26 21:21	1
Carbazole	**0.48**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 21:21	1
Chrysene	**0.10**	**J**	0.18	0.078	ug/L		05/16/26 17:11	05/21/26 21:21	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 21:21	1

Client Sample ID: MW-48
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-14
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**0.79**	**J**	0.96	0.18	ug/L		05/16/26 17:11	05/21/26 21:21	1
Diethyl phthalate	**0.24**	**J**	0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:21	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 21:21	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:21	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 21:21	1
Fluoranthene	**2.0**		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 21:21	1
Fluorene	**0.62**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 21:21	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 21:21	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 21:21	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 21:21	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 21:21	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 21:21	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 21:21	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:21	1
Naphthalene	**0.75**		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 21:21	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 21:21	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 21:21	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:21	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 21:21	1
Phenanthrene	**0.32**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 21:21	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 21:21	1
Pyrene	**1.3**		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*23 - 128*	*05/16/26 17:11*	*05/21/26 21:21*	*1*
2-Fluorobiphenyl	*70*		*20 - 105*	*05/16/26 17:11*	*05/21/26 21:21*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 105*	*05/16/26 17:11*	*05/21/26 21:21*	*1*
Nitrobenzene-d5 (Surr)	*71*		*20 - 107*	*05/16/26 17:11*	*05/21/26 21:21*	*1*
Phenol-d5 (Surr)	*70*		*20 - 106*	*05/16/26 17:11*	*05/21/26 21:21*	*1*
Terphenyl-d14 (Surr)	*64*		*22 - 120*	*05/16/26 17:11*	*05/21/26 21:21*	*1*

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		1.00	0.712	mg/L			05/16/26 01:15	1
Sulfate	**107**		1.00	0.756	mg/L			05/16/26 01:15	1
Nitrate as N	ND		0.100	0.0230	mg/L			05/16/26 01:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 00:09	05/29/26 11:37	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 00:09	05/29/26 11:37	1
Arsenic	**3.1**		2.0	0.68	ug/L		05/29/26 00:09	05/29/26 11:37	1
Barium	**58**		2.0	0.75	ug/L		05/29/26 00:09	05/29/26 11:37	1
Beryllium	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 18:47	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 00:09	05/29/26 11:37	1
Calcium	**160000**		120	50	ug/L		05/29/26 00:09	05/29/26 11:37	1
Chromium	**0.62**	**J**	2.0	0.55	ug/L		05/29/26 00:09	05/29/26 11:37	1
Cobalt	**0.29**	**J**	0.50	0.16	ug/L		05/29/26 00:09	05/29/26 11:37	1
Copper	ND		1.0	0.85	ug/L		05/29/26 00:09	05/29/26 11:37	1
Iron	**2500**		50	20	ug/L		05/29/26 00:09	05/29/26 11:37	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48

Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-14

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.56		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 11:37	1
Magnesium	38000		50	16	ug/L		05/29/26 00:09	05/29/26 11:37	1
Manganese	650		2.0	0.95	ug/L		05/29/26 00:09	05/29/26 11:37	1
Nickel	0.51	J	1.0	0.40	ug/L		05/29/26 00:09	05/29/26 11:37	1
Potassium	21000		200	65	ug/L		05/29/26 00:09	05/29/26 11:37	1
Selenium	0.48	J	1.0	0.28	ug/L		05/29/26 00:09	05/29/26 11:37	1
Silver	ND		0.50	0.10	ug/L		05/29/26 00:09	05/29/26 11:37	1
Sodium	110000		200	90	ug/L		05/29/26 00:09	05/29/26 11:37	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 00:09	05/29/26 11:37	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 00:09	05/29/26 11:37	1
Zinc	99		10	4.0	ug/L		05/29/26 00:09	05/29/26 11:37	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13	J	26	12	ug/L		05/21/26 11:51	05/24/26 01:20	1
Antimony	ND		1.0	0.21	ug/L		05/21/26 11:51	05/24/26 01:20	1
Arsenic	2.5		2.1	0.70	ug/L		05/21/26 11:51	05/24/26 01:20	1
Barium	53		2.1	0.77	ug/L		05/21/26 11:51	05/24/26 01:20	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:20	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:20	1
Calcium	150000		120	52	ug/L		05/21/26 11:51	05/24/26 01:20	1
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:51	05/24/26 01:20	1
Cobalt	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:20	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:51	05/24/26 01:20	1
Iron	2100		52	21	ug/L		05/21/26 11:51	05/24/26 01:20	1
Lead	0.16	J B	0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:20	1
Magnesium	34000		52	16	ug/L		05/21/26 11:51	05/24/26 01:20	1
Manganese	590		2.1	0.98	ug/L		05/21/26 11:51	05/24/26 01:20	1
Nickel	0.49	J	1.0	0.41	ug/L		05/21/26 11:51	05/24/26 01:20	1
Potassium	19000		210	67	ug/L		05/21/26 11:51	05/24/26 01:20	1
Selenium	0.32	J	1.0	0.29	ug/L		05/21/26 11:51	05/24/26 01:20	1
Silver	ND		0.52	0.10	ug/L		05/21/26 11:51	05/24/26 01:20	1
Sodium	98000		210	93	ug/L		05/21/26 11:51	05/24/26 01:20	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:51	05/24/26 01:20	1
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:51	05/24/26 01:20	1
Zinc	61		10	4.1	ug/L		05/21/26 11:51	05/24/26 01:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/26/26 10:37	05/26/26 15:53	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/21/26 19:25	05/22/26 02:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 350.688	H	15	12	mg/L			06/02/26 07:33	1
Turbidity (EPA 180.1)	26		0.85	0.05	NTU			05/15/26 15:14	1
Total Dissolved Solids (SM 2540C)	870		10	10	mg/L			05/21/26 18:15	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48
Date Collected: 05/14/26 15:30
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-14
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	390		5.0	5.0	mg/L			05/22/26 10:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.4	HF	0.1	0.1	SU			05/16/26 15:24	1
Specific Conductance (SM 2510B)	1500		1.0	1.0	umhos/cm			05/21/26 14:14	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48-DUP

Date Collected: 05/14/26 15:40
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 15:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 15:42	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 15:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 15:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 15:42	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 15:42	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:42	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 15:42	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:42	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:42	1
2-Butanone	ND	^c *+	5.0	2.5	ug/L			05/28/26 15:42	1
2-Hexanone	ND	^c *+	5.0	2.0	ug/L			05/28/26 15:42	1
4-Methyl-2-pentanone	ND	^c *+	5.0	1.0	ug/L			05/28/26 15:42	1
Acetone	**1.5**	**J**	5.0	1.5	ug/L			05/28/26 15:42	1
Benzene	**3.9**		0.50	0.10	ug/L			05/28/26 15:42	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 15:42	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Carbon disulfide	**0.37**	**J B**	1.0	0.10	ug/L			05/28/26 15:42	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 15:42	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 15:42	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 15:42	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 15:42	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 15:42	1
Ethylbenzene	**0.25**	**J**	0.50	0.080	ug/L			05/28/26 15:42	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 15:42	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 15:42	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Methylene Chloride	**0.30**	**J**	0.50	0.20	ug/L			05/28/26 15:42	1
Styrene	**0.28**	**J**	0.50	0.070	ug/L			05/28/26 15:42	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 15:42	1
Toluene	**0.81**		0.50	0.080	ug/L			05/28/26 15:42	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 15:42	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 15:42	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 15:42	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 15:42	1
Xylene (total)	**1.8**		1.0	0.070	ug/L			05/28/26 15:42	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48-DUP

Date Collected: 05/14/26 15:40
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-15

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/28/26 15:42*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/28/26 15:42*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 15:42*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/28/26 15:42*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,2'-oxybis[1-chloropropane]	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/16/26 17:11	05/21/26 21:43	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Chloronaphthalene	ND		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Methylnaphthalene	**0.064**	**J**	0.18	0.060	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/16/26 17:11	05/21/26 21:43	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/16/26 17:11	05/21/26 21:43	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/16/26 17:11	05/21/26 21:43	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/16/26 17:11	05/21/26 21:43	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Bromophenyl phenyl ether	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Nitroaniline	ND		4.8	0.35	ug/L		05/16/26 17:11	05/21/26 21:43	1
4-Nitrophenol	ND		4.8	0.90	ug/L		05/16/26 17:11	05/21/26 21:43	1
Acenaphthene	**0.59**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 21:43	1
Acenaphthylene	**1.4**		0.18	0.063	ug/L		05/16/26 17:11	05/21/26 21:43	1
Acetophenone	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 21:43	1
Anthracene	**0.22**		0.18	0.047	ug/L		05/16/26 17:11	05/21/26 21:43	1
Atrazine	ND		0.96	0.28	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzo[a]anthracene	**0.083**	**J**	0.18	0.072	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 21:43	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/16/26 17:11	05/21/26 21:43	1
Bis(2-chloroethoxy)methane	ND		0.96	0.15	ug/L		05/16/26 17:11	05/21/26 21:43	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/16/26 17:11	05/21/26 21:43	1
Bis(2-ethylhexyl) phthalate	**7.7**	**J**	9.6	2.0	ug/L		05/16/26 17:11	05/21/26 21:43	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/16/26 17:11	05/21/26 21:43	1
Caprolactam	ND		4.8	0.65	ug/L		05/16/26 17:11	05/21/26 21:43	1
Carbazole	**0.74**		0.18	0.049	ug/L		05/16/26 17:11	05/21/26 21:43	1
Chrysene	**0.091**	**J**	0.18	0.078	ug/L		05/16/26 17:11	05/21/26 21:43	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/16/26 17:11	05/21/26 21:43	1

Client Sample ID: MW-48-DUP
Date Collected: 05/14/26 15:40
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-15
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**0.57**	**J**	0.96	0.18	ug/L		05/16/26 17:11	05/21/26 21:43	1
Diethyl phthalate	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:43	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/16/26 17:11	05/21/26 21:43	1
Di-n-butyl phthalate	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:43	1
Di-n-octyl phthalate	ND	^c	0.96	0.66	ug/L		05/16/26 17:11	05/21/26 21:43	1
Fluoranthene	**1.9**		0.18	0.058	ug/L		05/16/26 17:11	05/21/26 21:43	1
Fluorene	**0.43**		0.18	0.066	ug/L		05/16/26 17:11	05/21/26 21:43	1
Hexachlorobenzene	ND		0.18	0.054	ug/L		05/16/26 17:11	05/21/26 21:43	1
Hexachlorobutadiene	ND		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 21:43	1
Hexachlorocyclopentadiene	ND		0.96	0.48	ug/L		05/16/26 17:11	05/21/26 21:43	1
Hexachloroethane	ND		0.96	0.31	ug/L		05/16/26 17:11	05/21/26 21:43	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/16/26 17:11	05/21/26 21:43	1
Isophorone	ND		0.96	0.18	ug/L		05/16/26 17:11	05/21/26 21:43	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/16/26 17:11	05/21/26 21:43	1
Naphthalene	**0.20**		0.18	0.057	ug/L		05/16/26 17:11	05/21/26 21:43	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/16/26 17:11	05/21/26 21:43	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/16/26 17:11	05/21/26 21:43	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/16/26 17:11	05/21/26 21:43	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/16/26 17:11	05/21/26 21:43	1
Phenanthrene	**0.23**		0.18	0.15	ug/L		05/16/26 17:11	05/21/26 21:43	1
Phenol	ND		0.96	0.47	ug/L		05/16/26 17:11	05/21/26 21:43	1
Pyrene	**1.2**		0.18	0.11	ug/L		05/16/26 17:11	05/21/26 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*23 - 128*	*05/16/26 17:11*	*05/21/26 21:43*	*1*
2-Fluorobiphenyl	*62*		*20 - 105*	*05/16/26 17:11*	*05/21/26 21:43*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 105*	*05/16/26 17:11*	*05/21/26 21:43*	*1*
Nitrobenzene-d5 (Surr)	*64*		*20 - 107*	*05/16/26 17:11*	*05/21/26 21:43*	*1*
Phenol-d5 (Surr)	*61*		*20 - 106*	*05/16/26 17:11*	*05/21/26 21:43*	*1*
Terphenyl-d14 (Surr)	*64*		*22 - 120*	*05/16/26 17:11*	*05/21/26 21:43*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 00:09	05/29/26 11:51	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 00:09	05/29/26 11:51	1
Arsenic	**3.1**		2.0	0.68	ug/L		05/29/26 00:09	05/29/26 11:51	1
Barium	**59**		2.0	0.75	ug/L		05/29/26 00:09	05/29/26 11:51	1
Beryllium	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 18:49	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 00:09	05/29/26 11:51	1
Calcium	**160000**		120	50	ug/L		05/29/26 00:09	05/29/26 11:51	1
Chromium	**0.73**	**J**	2.0	0.55	ug/L		05/29/26 00:09	05/29/26 11:51	1
Cobalt	**0.27**	**J**	0.50	0.16	ug/L		05/29/26 00:09	05/29/26 11:51	1
Copper	ND		1.0	0.85	ug/L		05/29/26 00:09	05/29/26 11:51	1
Iron	**2500**		50	20	ug/L		05/29/26 00:09	05/29/26 11:51	1
Lead	**0.55**		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 11:51	1
Magnesium	**38000**		50	16	ug/L		05/29/26 00:09	05/29/26 11:51	1
Manganese	**640**		2.0	0.95	ug/L		05/29/26 00:09	05/29/26 11:51	1
Nickel	ND		1.0	0.40	ug/L		05/29/26 00:09	05/29/26 11:51	1
Potassium	**21000**		200	65	ug/L		05/29/26 00:09	05/29/26 11:51	1
Selenium	**0.38**	**J**	1.0	0.28	ug/L		05/29/26 00:09	05/29/26 11:51	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: MW-48-DUP
Date Collected: 05/14/26 15:40
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-15
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.10	ug/L		05/29/26 00:09	05/29/26 11:51	1
Sodium	**110000**		200	90	ug/L		05/29/26 00:09	05/29/26 11:51	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 00:09	05/29/26 11:51	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 00:09	05/29/26 11:51	1
Zinc	**100**		10	4.0	ug/L		05/29/26 00:09	05/29/26 11:51	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	12	ug/L		05/21/26 11:51	05/24/26 01:30	1
Antimony	ND		1.0	0.21	ug/L		05/21/26 11:51	05/24/26 01:30	1
Arsenic	**2.9**		2.1	0.70	ug/L		05/21/26 11:51	05/24/26 01:30	1
Barium	**55**		2.1	0.77	ug/L		05/21/26 11:51	05/24/26 01:30	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:30	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:30	1
Calcium	**160000**		120	52	ug/L		05/21/26 11:51	05/24/26 01:30	1
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:51	05/24/26 01:30	1
Cobalt	**0.20**	**J**	0.52	0.16	ug/L		05/21/26 11:51	05/24/26 01:30	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:51	05/24/26 01:30	1
Iron	**2000**		52	21	ug/L		05/21/26 11:51	05/24/26 01:30	1
Lead	**0.15**	**J B**	0.52	0.12	ug/L		05/21/26 11:51	05/24/26 01:30	1
Magnesium	**34000**		52	16	ug/L		05/21/26 11:51	05/24/26 01:30	1
Manganese	**570**		2.1	0.98	ug/L		05/21/26 11:51	05/24/26 01:30	1
Nickel	**0.49**	**J**	1.0	0.41	ug/L		05/21/26 11:51	05/24/26 01:30	1
Potassium	**19000**		210	67	ug/L		05/21/26 11:51	05/24/26 01:30	1
Selenium	ND		1.0	0.29	ug/L		05/21/26 11:51	05/24/26 01:30	1
Silver	ND		0.52	0.10	ug/L		05/21/26 11:51	05/24/26 01:30	1
Sodium	**100000**		210	93	ug/L		05/21/26 11:51	05/24/26 01:30	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:51	05/24/26 01:30	1
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:51	05/24/26 01:30	1
Zinc	**52**		10	4.1	ug/L		05/21/26 11:51	05/24/26 01:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/26/26 10:37	05/26/26 15:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/21/26 19:25	05/22/26 02:21	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: TB-4

Lab Sample ID: 180-205465-16

Date Collected: 05/14/26 00:00

Matrix: Water

Date Received: 05/15/26 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 13:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 13:06	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 13:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 13:06	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 13:06	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 13:06	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:06	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 13:06	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:06	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:06	1
2-Butanone	ND	*+ ^c	5.0	2.5	ug/L			05/28/26 13:06	1
2-Hexanone	ND	*+ ^c	5.0	2.0	ug/L			05/28/26 13:06	1
4-Methyl-2-pentanone	ND	*+ ^c	5.0	1.0	ug/L			05/28/26 13:06	1
Acetone	**9.3**		5.0	1.5	ug/L			05/28/26 13:06	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 13:06	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Carbon disulfide	**0.47**	**J B**	1.0	0.10	ug/L			05/28/26 13:06	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:06	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 13:06	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 13:06	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Dichlorodifluoromethane	ND	^c	0.50	0.22	ug/L			05/28/26 13:06	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 13:06	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 13:06	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Methylene Chloride	**0.91**		0.50	0.20	ug/L			05/28/26 13:06	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 13:06	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 13:06	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 13:06	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 13:06	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			05/28/26 13:06	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 13:06	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 13:06	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

Client Sample ID: TB-4
Date Collected: 05/14/26 00:00
Date Received: 05/15/26 08:50

Lab Sample ID: 180-205465-16
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/28/26 13:06	1
4-Bromofluorobenzene (Surr)	87		80 - 120		05/28/26 13:06	1
Dibromofluoromethane (Surr)	99		80 - 120		05/28/26 13:06	1
Toluene-d8 (Surr)	105		80 - 120		05/28/26 13:06	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

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

Lab Sample ID: MB 410-824578/6
Matrix: Water
Analysis Batch: 824578

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		0.50	0.080	ug/L			05/27/26 13:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/27/26 13:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/27/26 13:55	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/27/26 13:55	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/27/26 13:55	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:55	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/27/26 13:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:55	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:55	1
2-Butanone	ND		5.0	2.5	ug/L			05/27/26 13:55	1
2-Hexanone	ND		5.0	2.0	ug/L			05/27/26 13:55	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/27/26 13:55	1
Acetone	2.70	J B	5.0	1.5	ug/L			05/27/26 13:55	1
Benzene	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Bromoform	ND		1.0	0.30	ug/L			05/27/26 13:55	1
Bromomethane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Carbon disulfide	ND		1.0	0.10	ug/L			05/27/26 13:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/27/26 13:55	1
Chloroethane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Chloroform	ND		0.50	0.090	ug/L			05/27/26 13:55	1
Chloromethane	ND		0.50	0.22	ug/L			05/27/26 13:55	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Cyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/27/26 13:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Freon 113	ND		0.50	0.17	ug/L			05/27/26 13:55	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Methyl acetate	ND		1.0	0.20	ug/L			05/27/26 13:55	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/27/26 13:55	1
Styrene	ND		0.50	0.070	ug/L			05/27/26 13:55	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/27/26 13:55	1
Toluene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/27/26 13:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Trichloroethene	ND		0.50	0.080	ug/L			05/27/26 13:55	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/27/26 13:55	1
Xylene (total)	ND		1.0	0.070	ug/L			05/27/26 13:55	1

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

Lab Sample ID: MB 410-824578/6
Matrix: Water
Analysis Batch: 824578

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/27/26 13:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/27/26 13:55*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/27/26 13:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/27/26 13:55*	*1*

Lab Sample ID: LCS 410-824578/4
Matrix: Water
Analysis Batch: 824578

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	5.00	5.52		ug/L		110	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.28		ug/L		106	75 - 130
1,1,2-Trichloroethane	5.00	5.17		ug/L		103	80 - 120
1,1-Dichloroethane	5.00	5.49		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	5.57		ug/L		111	80 - 131
1,2,4-Trichlorobenzene	5.00	5.44		ug/L		109	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.98		ug/L		100	60 - 124
1,2-Dibromoethane	5.00	5.55		ug/L		111	80 - 120
1,2-Dichlorobenzene	5.00	5.18		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	5.41		ug/L		108	79 - 128
1,2-Dichloropropane	5.00	5.29		ug/L		106	80 - 129
1,3-Dichlorobenzene	5.00	5.23		ug/L		105	80 - 120
1,4-Dichlorobenzene	5.00	5.13		ug/L		103	80 - 120
2-Butanone	62.5	59.6		ug/L		95	67 - 141
2-Hexanone	62.5	65.8		ug/L		105	62 - 151
4-Methyl-2-pentanone	62.5	66.6		ug/L		107	63 - 140
Acetone	62.5	53.5		ug/L		86	60 - 146
Benzene	5.00	5.14		ug/L		103	80 - 120
Bromodichloromethane	5.00	5.24		ug/L		105	80 - 123
Bromoform	5.00	5.62		ug/L		112	67 - 134
Bromomethane	5.00	5.21		ug/L		104	63 - 126
Carbon disulfide	5.00	5.41		ug/L		108	67 - 130
Carbon tetrachloride	5.00	5.73		ug/L		115	77 - 132
Chlorobenzene	5.00	5.23		ug/L		105	80 - 120
Chloroethane	5.00	5.63		ug/L		113	63 - 132
Chloroform	5.00	5.41		ug/L		108	80 - 120
Chloromethane	5.00	4.81		ug/L		96	56 - 131
cis-1,2-Dichloroethene	5.00	5.66		ug/L		113	80 - 122
cis-1,3-Dichloropropene	5.00	5.26		ug/L		105	75 - 121
Cyclohexane	5.00	5.53		ug/L		111	69 - 120
Dibromochloromethane	5.00	5.26		ug/L		105	80 - 123
Dichlorodifluoromethane	5.00	5.09		ug/L		102	43 - 137
Ethylbenzene	5.00	5.17		ug/L		103	80 - 120
Freon 113	5.00	5.54		ug/L		111	61 - 124
Isopropylbenzene	5.00	5.30		ug/L		106	87 - 133
Methyl acetate	5.00	4.41		ug/L		88	45 - 143
Methyl tertiary butyl ether	5.00	5.44		ug/L		109	69 - 120
Methylcyclohexane	5.00	5.55		ug/L		111	69 - 126

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

Lab Sample ID: LCS 410-824578/4
Matrix: Water
Analysis Batch: 824578

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	5.00	5.28		ug/L		106	80 - 120
Styrene	5.00	5.42		ug/L		108	80 - 120
Tetrachloroethene	5.00	4.98		ug/L		100	80 - 120
Toluene	5.00	5.10		ug/L		102	80 - 120
trans-1,2-Dichloroethene	5.00	5.22		ug/L		104	80 - 122
trans-1,3-Dichloropropene	5.00	5.42		ug/L		108	76 - 123
Trichloroethene	5.00	5.21		ug/L		104	80 - 120
Trichlorofluoromethane	5.00	4.76		ug/L		95	53 - 136
Vinyl chloride	5.00	5.27		ug/L		105	60 - 125
Xylene (total)	15.0	15.8		ug/L		105	80 - 120

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

Lab Sample ID: MB 410-825182/15
Matrix: Water
Analysis Batch: 825182

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		0.50	0.080	ug/L			05/28/26 13:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 13:28	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 13:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 13:28	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 13:28	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 13:28	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:28	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 13:28	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:28	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:28	1
2-Butanone	ND	*3	5.0	2.5	ug/L			05/28/26 13:28	1
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/28/26 13:28	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/28/26 13:28	1
Acetone	20.4	*3 B	5.0	1.5	ug/L			05/28/26 13:28	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 13:28	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Carbon disulfide	0.376	J B	1.0	0.10	ug/L			05/28/26 13:28	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 13:28	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 13:28	1

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

Lab Sample ID: MB 410-825182/15
Matrix: Water
Analysis Batch: 825182

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 13:28	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/28/26 13:28	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 13:28	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/28/26 13:28	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 13:28	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 13:28	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 13:28	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 13:28	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 13:28	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 13:28	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/28/26 13:28*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*05/28/26 13:28*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/28/26 13:28*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*05/28/26 13:28*	*1*

Lab Sample ID: MB 410-825182/7
Matrix: Water
Analysis Batch: 825182

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		0.50	0.080	ug/L			05/28/26 10:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/28/26 10:30	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 10:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/28/26 10:30	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/28/26 10:30	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/28/26 10:30	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 10:30	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/28/26 10:30	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 10:30	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/28/26 10:30	1
2-Butanone	ND		5.0	2.5	ug/L			05/28/26 10:30	1

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

Lab Sample ID: MB 410-825182/7
Matrix: Water
Analysis Batch: 825182

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	2.0	ug/L			05/28/26 10:30	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/28/26 10:30	1
Acetone	ND		5.0	1.5	ug/L			05/28/26 10:30	1
Benzene	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Bromoform	ND		1.0	0.30	ug/L			05/28/26 10:30	1
Bromomethane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Carbon disulfide	0.213	J B	1.0	0.10	ug/L			05/28/26 10:30	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/28/26 10:30	1
Chloroethane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Chloroform	ND		0.50	0.090	ug/L			05/28/26 10:30	1
Chloromethane	ND		0.50	0.22	ug/L			05/28/26 10:30	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Cyclohexane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/28/26 10:30	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Freon 113	ND		0.50	0.17	ug/L			05/28/26 10:30	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Methyl acetate	ND		1.0	0.20	ug/L			05/28/26 10:30	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/28/26 10:30	1
Styrene	ND		0.50	0.070	ug/L			05/28/26 10:30	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/28/26 10:30	1
Toluene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/28/26 10:30	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Trichloroethene	ND		0.50	0.080	ug/L			05/28/26 10:30	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/28/26 10:30	1
Xylene (total)	ND		1.0	0.070	ug/L			05/28/26 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*05/28/26 10:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/28/26 10:30*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*05/28/26 10:30*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/28/26 10:30*	*1*

Lab Sample ID: LCS 410-825182/4
Matrix: Water
Analysis Batch: 825182

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	5.00	4.71		ug/L		94	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.22		ug/L		104	75 - 130

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

Lab Sample ID: LCS 410-825182/4
Matrix: Water
Analysis Batch: 825182

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.07		ug/L		101	80 - 120
1,1-Dichloroethane	5.00	5.02		ug/L		100	80 - 128
1,1-Dichloroethene	5.00	5.12		ug/L		102	80 - 131
1,2,4-Trichlorobenzene	5.00	4.57		ug/L		91	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.35		ug/L		87	60 - 124
1,2-Dibromoethane	5.00	4.86		ug/L		97	80 - 120
1,2-Dichlorobenzene	5.00	4.68		ug/L		94	80 - 120
1,2-Dichloroethane	5.00	4.83		ug/L		97	79 - 128
1,2-Dichloropropane	5.00	5.17		ug/L		103	80 - 129
1,3-Dichlorobenzene	5.00	4.70		ug/L		94	80 - 120
1,4-Dichlorobenzene	5.00	4.74		ug/L		95	80 - 120
2-Butanone	62.5	81.8		ug/L		131	67 - 141
2-Hexanone	62.5	84.1		ug/L		135	62 - 151
4-Methyl-2-pentanone	62.5	85.5		ug/L		137	63 - 140
Acetone	62.5	69.6		ug/L		111	60 - 146
Benzene	5.00	4.82		ug/L		96	80 - 120
Bromodichloromethane	5.00	4.79		ug/L		96	80 - 123
Bromoform	5.00	4.24		ug/L		85	67 - 134
Bromomethane	5.00	4.62		ug/L		92	63 - 126
Carbon disulfide	5.00	4.80		ug/L		96	67 - 130
Carbon tetrachloride	5.00	4.55		ug/L		91	77 - 132
Chlorobenzene	5.00	4.84		ug/L		97	80 - 120
Chloroethane	5.00	5.13		ug/L		103	63 - 132
Chloroform	5.00	4.84		ug/L		97	80 - 120
Chloromethane	5.00	5.13		ug/L		103	56 - 131
cis-1,2-Dichloroethene	5.00	4.78		ug/L		96	80 - 122
cis-1,3-Dichloropropene	5.00	4.53		ug/L		91	75 - 121
Cyclohexane	5.00	4.85		ug/L		97	69 - 120
Dibromochloromethane	5.00	4.70		ug/L		94	80 - 123
Dichlorodifluoromethane	5.00	3.97		ug/L		79	43 - 137
Ethylbenzene	5.00	5.07		ug/L		101	80 - 120
Freon 113	5.00	4.90		ug/L		98	61 - 124
Isopropylbenzene	5.00	4.87		ug/L		97	87 - 133
Methyl acetate	5.00	5.72		ug/L		114	45 - 143
Methyl tertiary butyl ether	5.00	4.37		ug/L		87	69 - 120
Methylcyclohexane	5.00	4.50		ug/L		90	69 - 126
Methylene Chloride	5.00	4.71		ug/L		94	80 - 120
Styrene	5.00	4.84		ug/L		97	80 - 120
Tetrachloroethene	5.00	4.28		ug/L		86	80 - 120
Toluene	5.00	5.03		ug/L		101	80 - 120
trans-1,2-Dichloroethene	5.00	4.57		ug/L		91	80 - 122
trans-1,3-Dichloropropene	5.00	5.11		ug/L		102	76 - 123
Trichloroethene	5.00	4.44		ug/L		89	80 - 120
Trichlorofluoromethane	5.00	3.61		ug/L		72	53 - 136
Vinyl chloride	5.00	5.06		ug/L		101	60 - 125
Xylene (total)	15.0	14.5		ug/L		97	80 - 120

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

Lab Sample ID: LCS 410-825182/4
Matrix: Water
Analysis Batch: 825182

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: LCSD 410-825182/5
Matrix: Water
Analysis Batch: 825182

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	5.22		ug/L		104	78 - 126	10	30
1,1,2,2-Tetrachloroethane			5.00	5.89		ug/L		118	75 - 130	12	30
1,1,2-Trichloroethane			5.00	5.62		ug/L		112	80 - 120	10	30
1,1-Dichloroethane			5.00	5.60		ug/L		112	80 - 128	11	30
1,1-Dichloroethene			5.00	5.67		ug/L		113	80 - 131	10	30
1,2,4-Trichlorobenzene			5.00	4.99		ug/L		100	68 - 122	9	30
1,2-Dibromo-3-Chloropropane			5.00	4.70		ug/L		94	60 - 124	8	30
1,2-Dibromoethane			5.00	5.38		ug/L		108	80 - 120	10	30
1,2-Dichlorobenzene			5.00	5.24		ug/L		105	80 - 120	11	30
1,2-Dichloroethane			5.00	5.35		ug/L		107	79 - 128	10	30
1,2-Dichloropropane			5.00	5.68		ug/L		114	80 - 129	9	30
1,3-Dichlorobenzene			5.00	5.33		ug/L		107	80 - 120	12	30
1,4-Dichlorobenzene			5.00	5.26		ug/L		105	80 - 120	10	30
2-Butanone			62.5	96.9	*+	ug/L		155	67 - 141	17	30
2-Hexanone			62.5	99.4	*+	ug/L		159	62 - 151	17	30
4-Methyl-2-pentanone			62.5	101	*+	ug/L		162	63 - 140	17	30
Acetone			62.5	83.5		ug/L		134	60 - 146	18	30
Benzene			5.00	5.33		ug/L		107	80 - 120	10	30
Bromodichloromethane			5.00	5.32		ug/L		106	80 - 123	10	30
Bromoform			5.00	4.68		ug/L		94	67 - 134	10	30
Bromomethane			5.00	5.16		ug/L		103	63 - 126	11	30
Carbon disulfide			5.00	5.22		ug/L		104	67 - 130	8	30
Carbon tetrachloride			5.00	5.12		ug/L		102	77 - 132	12	30
Chlorobenzene			5.00	5.41		ug/L		108	80 - 120	11	30
Chloroethane			5.00	5.64		ug/L		113	63 - 132	9	30
Chloroform			5.00	5.35		ug/L		107	80 - 120	10	30
Chloromethane			5.00	5.81		ug/L		116	56 - 131	12	30
cis-1,2-Dichloroethene			5.00	5.18		ug/L		104	80 - 122	8	30
cis-1,3-Dichloropropene			5.00	4.97		ug/L		99	75 - 121	9	30
Cyclohexane			5.00	5.40		ug/L		108	69 - 120	11	30
Dibromochloromethane			5.00	5.14		ug/L		103	80 - 123	9	30
Dichlorodifluoromethane			5.00	4.25		ug/L		85	43 - 137	7	30
Ethylbenzene			5.00	5.71		ug/L		114	80 - 120	12	30
Freon 113			5.00	5.42		ug/L		108	61 - 124	10	30
Isopropylbenzene			5.00	5.44		ug/L		109	87 - 133	11	30
Methyl acetate			5.00	5.07		ug/L		101	45 - 143	12	30
Methyl tertiary butyl ether			5.00	4.79		ug/L		96	69 - 120	9	30
Methylcyclohexane			5.00	5.04		ug/L		101	69 - 126	11	30

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

Lab Sample ID: LCSD 410-825182/5
Matrix: Water
Analysis Batch: 825182

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride			5.00	5.11		ug/L		102	80 - 120	8	30
Styrene			5.00	5.45		ug/L		109	80 - 120	12	30
Tetrachloroethene			5.00	4.88		ug/L		98	80 - 120	13	30
Toluene			5.00	5.56		ug/L		111	80 - 120	10	30
trans-1,2-Dichloroethene			5.00	5.04		ug/L		101	80 - 122	10	30
trans-1,3-Dichloropropene			5.00	5.70		ug/L		114	76 - 123	11	30
Trichloroethene			5.00	4.99		ug/L		100	80 - 120	12	30
Trichlorofluoromethane			5.00	4.01		ug/L		80	53 - 136	10	30
Vinyl chloride			5.00	5.57		ug/L		111	60 - 125	10	30
Xylene (total)			15.0	16.2		ug/L		108	80 - 120	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 410-826000/7
Matrix: Water
Analysis Batch: 826000

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		0.50	0.080	ug/L			05/29/26 11:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 11:55	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 11:55	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 11:55	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
2-Butanone	ND		5.0	2.5	ug/L			05/29/26 11:55	1
2-Hexanone	ND		5.0	2.0	ug/L			05/29/26 11:55	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			05/29/26 11:55	1
Acetone	3.38	J B	5.0	1.5	ug/L			05/29/26 11:55	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 11:55	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Carbon disulfide	0.265	J B	1.0	0.10	ug/L			05/29/26 11:55	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 11:55	1

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

Lab Sample ID: MB 410-826000/7
Matrix: Water
Analysis Batch: 826000

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 11:55	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 11:55	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 11:55	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Methyl acetate	ND		1.0	0.20	ug/L			05/29/26 11:55	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 11:55	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 11:55	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 11:55	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 11:55	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 11:55	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 11:55	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/29/26 11:55*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*05/29/26 11:55*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*05/29/26 11:55*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*05/29/26 11:55*	*1*

Lab Sample ID: MB 410-826000/8
Matrix: Water
Analysis Batch: 826000

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		0.50	0.080	ug/L			05/29/26 12:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			05/29/26 12:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			05/29/26 12:17	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			05/29/26 12:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
2-Butanone	ND	*3	5.0	2.5	ug/L			05/29/26 12:17	1

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

Lab Sample ID: MB 410-826000/8
Matrix: Water
Analysis Batch: 826000

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	*3	5.0	2.0	ug/L			05/29/26 12:17	1
4-Methyl-2-pentanone	ND	*3	5.0	1.0	ug/L			05/29/26 12:17	1
Acetone	3.18	J B *3	5.0	1.5	ug/L			05/29/26 12:17	1
Benzene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Bromodichloromethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Bromoform	ND		1.0	0.30	ug/L			05/29/26 12:17	1
Bromomethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Carbon disulfide	0.268	J B	1.0	0.10	ug/L			05/29/26 12:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Chlorobenzene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
Chloroethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Chloroform	ND		0.50	0.090	ug/L			05/29/26 12:17	1
Chloromethane	ND		0.50	0.22	ug/L			05/29/26 12:17	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Cyclohexane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Dibromochloromethane	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			05/29/26 12:17	1
Ethylbenzene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Freon 113	ND		0.50	0.17	ug/L			05/29/26 12:17	1
Isopropylbenzene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Methyl acetate	ND	*3	1.0	0.20	ug/L			05/29/26 12:17	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Methylcyclohexane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			05/29/26 12:17	1
Styrene	ND		0.50	0.070	ug/L			05/29/26 12:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/29/26 12:17	1
Toluene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			05/29/26 12:17	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Trichloroethene	ND		0.50	0.080	ug/L			05/29/26 12:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			05/29/26 12:17	1
Xylene (total)	ND		1.0	0.070	ug/L			05/29/26 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/29/26 12:17*	*1*
4-Bromofluorobenzene (Surr)	*85*		*80 - 120*		*05/29/26 12:17*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/29/26 12:17*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/29/26 12:17*	*1*

Lab Sample ID: LCS 410-826000/5
Matrix: Water
Analysis Batch: 826000

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	5.00	5.15		ug/L		103	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.67		ug/L		113	75 - 130

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

Lab Sample ID: LCS 410-826000/5
Matrix: Water
Analysis Batch: 826000

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	5.00	5.49		ug/L		110	80 - 120
1,1-Dichloroethane	5.00	5.49		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	6.31		ug/L		126	80 - 131
1,2,4-Trichlorobenzene	5.00	4.56		ug/L		91	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.32		ug/L		86	60 - 124
1,2-Dibromoethane	5.00	5.27		ug/L		105	80 - 120
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	80 - 120
1,2-Dichloroethane	5.00	5.40		ug/L		108	79 - 128
1,2-Dichloropropane	5.00	5.66		ug/L		113	80 - 129
1,3-Dichlorobenzene	5.00	5.24		ug/L		105	80 - 120
1,4-Dichlorobenzene	5.00	5.11		ug/L		102	80 - 120
2-Butanone	62.5	88.1		ug/L		141	67 - 141
2-Hexanone	62.5	90.9		ug/L		145	62 - 151
4-Methyl-2-pentanone	62.5	91.8	*+	ug/L		147	63 - 140
Acetone	62.5	86.9		ug/L		139	60 - 146
Benzene	5.00	5.37		ug/L		107	80 - 120
Bromodichloromethane	5.00	5.34		ug/L		107	80 - 123
Bromoform	5.00	4.83		ug/L		97	67 - 134
Bromomethane	5.00	5.45		ug/L		109	63 - 126
Carbon disulfide	5.00	5.54		ug/L		111	67 - 130
Carbon tetrachloride	5.00	5.13		ug/L		103	77 - 132
Chlorobenzene	5.00	5.40		ug/L		108	80 - 120
Chloroethane	5.00	6.23		ug/L		125	63 - 132
Chloroform	5.00	5.32		ug/L		106	80 - 120
Chloromethane	5.00	6.09		ug/L		122	56 - 131
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	80 - 122
cis-1,3-Dichloropropene	5.00	4.78		ug/L		96	75 - 121
Cyclohexane	5.00	5.47		ug/L		109	69 - 120
Dibromochloromethane	5.00	5.19		ug/L		104	80 - 123
Dichlorodifluoromethane	5.00	4.37		ug/L		87	43 - 137
Ethylbenzene	5.00	5.55		ug/L		111	80 - 120
Freon 113	5.00	6.14		ug/L		123	61 - 124
Isopropylbenzene	5.00	5.36		ug/L		107	87 - 133
Methyl acetate	5.00	6.39		ug/L		128	45 - 143
Methyl tertiary butyl ether	5.00	4.60		ug/L		92	69 - 120
Methylcyclohexane	5.00	5.08		ug/L		102	69 - 126
Methylene Chloride	5.00	5.11		ug/L		102	80 - 120
Styrene	5.00	5.34		ug/L		107	80 - 120
Tetrachloroethene	5.00	4.82		ug/L		96	80 - 120
Toluene	5.00	5.46		ug/L		109	80 - 120
trans-1,2-Dichloroethene	5.00	5.06		ug/L		101	80 - 122
trans-1,3-Dichloropropene	5.00	5.31		ug/L		106	76 - 123
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	4.46		ug/L		89	53 - 136
Vinyl chloride	5.00	5.91		ug/L		118	60 - 125
Xylene (total)	15.0	16.1		ug/L		108	80 - 120

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

Lab Sample ID: LCS 410-826000/5
Matrix: Water
Analysis Batch: 826000

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	108		80 - 120

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-513898/1-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/16/26 17:11	05/21/26 11:39	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/16/26 17:11	05/21/26 11:39	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 11:39	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/16/26 17:11	05/21/26 11:39	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/16/26 17:11	05/21/26 11:39	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/16/26 17:11	05/21/26 11:39	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/16/26 17:11	05/21/26 11:39	1
Acenaphthene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 11:39	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/16/26 17:11	05/21/26 11:39	1
Acetophenone	ND		1.0	0.16	ug/L		05/16/26 17:11	05/21/26 11:39	1
Anthracene	ND		0.19	0.049	ug/L		05/16/26 17:11	05/21/26 11:39	1
Atrazine	ND		1.0	0.30	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 11:39	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/16/26 17:11	05/21/26 11:39	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/16/26 17:11	05/21/26 11:39	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/16/26 17:11	05/21/26 11:39	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-513898/1-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/16/26 17:11	05/21/26 11:39	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/16/26 17:11	05/21/26 11:39	1
Caprolactam	ND		5.0	0.68	ug/L		05/16/26 17:11	05/21/26 11:39	1
Carbazole	ND		0.19	0.051	ug/L		05/16/26 17:11	05/21/26 11:39	1
Chrysene	ND		0.19	0.081	ug/L		05/16/26 17:11	05/21/26 11:39	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/16/26 17:11	05/21/26 11:39	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 11:39	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 11:39	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/16/26 17:11	05/21/26 11:39	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/16/26 17:11	05/21/26 11:39	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/16/26 17:11	05/21/26 11:39	1
Fluoranthene	ND		0.19	0.060	ug/L		05/16/26 17:11	05/21/26 11:39	1
Fluorene	ND		0.19	0.069	ug/L		05/16/26 17:11	05/21/26 11:39	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/16/26 17:11	05/21/26 11:39	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 11:39	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/16/26 17:11	05/21/26 11:39	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/16/26 17:11	05/21/26 11:39	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/16/26 17:11	05/21/26 11:39	1
Isophorone	ND		1.0	0.19	ug/L		05/16/26 17:11	05/21/26 11:39	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/16/26 17:11	05/21/26 11:39	1
Naphthalene	ND		0.19	0.059	ug/L		05/16/26 17:11	05/21/26 11:39	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/16/26 17:11	05/21/26 11:39	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/16/26 17:11	05/21/26 11:39	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/16/26 17:11	05/21/26 11:39	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/16/26 17:11	05/21/26 11:39	1
Phenanthrene	ND		0.19	0.16	ug/L		05/16/26 17:11	05/21/26 11:39	1
Phenol	ND		1.0	0.49	ug/L		05/16/26 17:11	05/21/26 11:39	1
Pyrene	ND		0.19	0.11	ug/L		05/16/26 17:11	05/21/26 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*23 - 128*	*05/16/26 17:11*	*05/21/26 11:39*	*1*
2-Fluorobiphenyl	*62*		*20 - 105*	*05/16/26 17:11*	*05/21/26 11:39*	*1*
2-Fluorophenol (Surr)	*68*		*20 - 105*	*05/16/26 17:11*	*05/21/26 11:39*	*1*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*	*05/16/26 17:11*	*05/21/26 11:39*	*1*
Phenol-d5 (Surr)	*71*		*20 - 106*	*05/16/26 17:11*	*05/21/26 11:39*	*1*
Terphenyl-d14 (Surr)	*59*		*22 - 120*	*05/16/26 17:11*	*05/21/26 11:39*	*1*

Lab Sample ID: LCS 180-513898/2-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	20.0	12.8		ug/L		64	51 - 100
2,2'-oxybis[1-chloropropane]	20.0	13.9		ug/L		69	29 - 102
2,4,5-Trichlorophenol	20.0	12.2		ug/L		61	55 - 100
2,4,6-Trichlorophenol	20.0	12.9		ug/L		64	54 - 100
2,4-Dichlorophenol	20.0	12.8		ug/L		64	55 - 100
2,4-Dimethylphenol	20.0	12.3		ug/L		62	51 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513898/2-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrophenol	40.0	23.9		ug/L		60	32 - 100
2,4-Dinitrotoluene	20.0	13.7		ug/L		69	56 - 100
2,6-Dinitrotoluene	20.0	12.1		ug/L		61	56 - 101
2-Chloronaphthalene	20.0	12.4		ug/L		62	52 - 100
2-Chlorophenol	20.0	13.3		ug/L		66	53 - 100
2-Methylnaphthalene	20.0	12.6		ug/L		63	53 - 100
2-Methylphenol	20.0	13.0		ug/L		65	51 - 100
2-Nitroaniline	20.0	13.5		ug/L		67	47 - 104
2-Nitrophenol	20.0	13.9		ug/L		69	56 - 100
3,3'-Dichlorobenzidine	20.0	12.7		ug/L		64	42 - 100
3-Nitroaniline	20.0	13.5		ug/L		68	54 - 100
4,6-Dinitro-2-methylphenol	40.0	27.5		ug/L		69	48 - 100
4-Bromophenyl phenyl ether	20.0	13.5		ug/L		67	50 - 100
4-Chloro-3-methylphenol	20.0	12.5		ug/L		62	47 - 105
4-Chloroaniline	20.0	12.4		ug/L		62	48 - 100
4-Chlorophenyl phenyl ether	20.0	12.3		ug/L		61	52 - 100
4-Nitroaniline	20.0	13.2		ug/L		66	54 - 100
4-Nitrophenol	40.0	22.9		ug/L		57	37 - 120
Acenaphthene	20.0	12.3		ug/L		62	51 - 100
Acenaphthylene	20.0	12.0		ug/L		60	54 - 100
Acetophenone	20.0	12.7		ug/L		64	46 - 100
Anthracene	20.0	13.3		ug/L		66	54 - 100
Atrazine	20.0	13.7		ug/L		68	50 - 100
Benzaldehyde	20.0	7.64		ug/L		38	25 - 114
Benzo[a]anthracene	20.0	12.7		ug/L		63	52 - 100
Benzo[a]pyrene	20.0	12.3		ug/L		61	52 - 100
Benzo[b]fluoranthene	20.0	12.5		ug/L		62	50 - 100
Benzo[g,h,i]perylene	20.0	12.6		ug/L		63	53 - 100
Benzo[k]fluoranthene	20.0	12.0		ug/L		60	49 - 100
Bis(2-chloroethoxy)methane	20.0	13.1		ug/L		65	49 - 100
Bis(2-chloroethyl)ether	20.0	13.3		ug/L		67	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	14.5		ug/L		72	52 - 101
Butyl benzyl phthalate	20.0	13.8		ug/L		69	52 - 100
Caprolactam	20.0	13.2		ug/L		66	46 - 111
Carbazole	20.0	13.4		ug/L		67	55 - 100
Chrysene	20.0	11.9		ug/L		59	51 - 100
Dibenz(a,h)anthracene	20.0	13.4		ug/L		67	52 - 101
Dibenzofuran	20.0	12.2		ug/L		61	53 - 100
Diethyl phthalate	20.0	12.3		ug/L		62	52 - 100
Dimethyl phthalate	20.0	12.4		ug/L		62	55 - 100
Di-n-butyl phthalate	20.0	14.0		ug/L		70	57 - 100
Di-n-octyl phthalate	20.0	12.8		ug/L		64	41 - 100
Fluoranthene	20.0	12.5		ug/L		63	56 - 100
Fluorene	20.0	12.1		ug/L		61	53 - 100
Hexachlorobenzene	20.0	12.2		ug/L		61	46 - 100
Hexachlorobutadiene	20.0	12.4		ug/L		62	42 - 101
Hexachlorocyclopentadiene	20.0	11.7		ug/L		58	38 - 102
Hexachloroethane	20.0	13.4		ug/L		67	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	13.7		ug/L		68	54 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-513898/2-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513898

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Isophorone			20.0	12.9		ug/L		65	50 - 100		
Methylphenol, 3 & 4			20.0	12.6		ug/L		63	51 - 100		
Naphthalene			20.0	12.5		ug/L		63	53 - 100		
Nitrobenzene			20.0	13.0		ug/L		65	47 - 100		
N-Nitrosodi-n-propylamine			20.0	13.1		ug/L		66	43 - 103		
N-Nitrosodiphenylamine			20.0	13.4		ug/L		67	53 - 100		
Pentachlorophenol			40.0	22.5		ug/L		56	35 - 102		
Phenanthrene			20.0	12.8		ug/L		64	53 - 100		
Phenol			20.0	13.1		ug/L		65	49 - 100		
Pyrene			20.0	13.1		ug/L		66	53 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*67*		*23 - 128*
2-Fluorobiphenyl	*63*		*20 - 105*
2-Fluorophenol (Surr)	*70*		*20 - 105*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*
Phenol-d5 (Surr)	*68*		*20 - 106*
Terphenyl-d14 (Surr)	*63*		*22 - 120*

Lab Sample ID: LCSD 180-513898/3-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513898

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			20.0	13.0		ug/L		65	51 - 100	2	16
2,2'-oxybis[1-chloropropane]			20.0	14.2		ug/L		71	29 - 102	2	16
2,4,5-Trichlorophenol			20.0	12.5		ug/L		63	55 - 100	2	18
2,4,6-Trichlorophenol			20.0	12.5		ug/L		62	54 - 100	3	16
2,4-Dichlorophenol			20.0	12.8		ug/L		64	55 - 100	1	15
2,4-Dimethylphenol			20.0	12.3		ug/L		62	51 - 100	0	16
2,4-Dinitrophenol			40.0	25.6		ug/L		64	32 - 100	7	19
2,4-Dinitrotoluene			20.0	13.7		ug/L		69	56 - 100	0	16
2,6-Dinitrotoluene			20.0	12.5		ug/L		62	56 - 101	3	16
2-Chloronaphthalene			20.0	12.6		ug/L		63	52 - 100	2	15
2-Chlorophenol			20.0	13.4		ug/L		67	53 - 100	1	17
2-Methylnaphthalene			20.0	13.0		ug/L		65	53 - 100	4	15
2-Methylphenol			20.0	13.1		ug/L		66	51 - 100	1	16
2-Nitroaniline			20.0	13.7		ug/L		68	47 - 104	2	18
2-Nitrophenol			20.0	13.7		ug/L		69	56 - 100	1	15
3,3'-Dichlorobenzidine			20.0	12.4		ug/L		62	42 - 100	3	15
3-Nitroaniline			20.0	13.8		ug/L		69	54 - 100	2	15
4,6-Dinitro-2-methylphenol			40.0	28.3		ug/L		71	48 - 100	3	15
4-Bromophenyl phenyl ether			20.0	13.2		ug/L		66	50 - 100	2	15
4-Chloro-3-methylphenol			20.0	12.8		ug/L		64	47 - 105	2	18
4-Chloroaniline			20.0	12.7		ug/L		64	48 - 100	2	15
4-Chlorophenyl phenyl ether			20.0	12.3		ug/L		61	52 - 100	0	16
4-Nitroaniline			20.0	13.9		ug/L		69	54 - 100	5	16
4-Nitrophenol			40.0	24.5		ug/L		61	37 - 120	7	18

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-513898/3-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513898

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			20.0	12.5		ug/L		63	51 - 100	1	15
Acenaphthylene			20.0	11.9		ug/L		60	54 - 100	1	16
Acetophenone			20.0	13.1		ug/L		66	46 - 100	3	16
Anthracene			20.0	12.9		ug/L		64	54 - 100	3	15
Atrazine			20.0	13.9		ug/L		69	50 - 100	1	15
Benzaldehyde			20.0	7.65		ug/L		38	25 - 114	0	16
Benzo[a]anthracene			20.0	12.3		ug/L		61	52 - 100	3	15
Benzo[a]pyrene			20.0	12.1		ug/L		60	52 - 100	1	16
Benzo[b]fluoranthene			20.0	11.9		ug/L		59	50 - 100	5	15
Benzo[g,h,i]perylene			20.0	12.2		ug/L		61	53 - 100	3	15
Benzo[k]fluoranthene			20.0	11.5		ug/L		57	49 - 100	5	20
Bis(2-chloroethoxy)methane			20.0	12.9		ug/L		65	49 - 100	1	15
Bis(2-chloroethyl)ether			20.0	13.6		ug/L		68	46 - 100	2	17
Bis(2-ethylhexyl) phthalate			20.0	13.9		ug/L		69	52 - 101	4	15
Butyl benzyl phthalate			20.0	13.1		ug/L		66	52 - 100	5	15
Caprolactam			20.0	13.8		ug/L		69	46 - 111	4	16
Carbazole			20.0	13.8		ug/L		69	55 - 100	3	16
Chrysene			20.0	11.9		ug/L		59	51 - 100	0	15
Dibenz(a,h)anthracene			20.0	13.0		ug/L		65	52 - 101	4	15
Dibenzofuran			20.0	11.8		ug/L		59	53 - 100	4	16
Diethyl phthalate			20.0	12.8		ug/L		64	52 - 100	3	15
Dimethyl phthalate			20.0	13.0		ug/L		65	55 - 100	4	15
Di-n-butyl phthalate			20.0	14.0		ug/L		70	57 - 100	1	15
Di-n-octyl phthalate			20.0	12.0		ug/L		60	41 - 100	7	17
Fluoranthene			20.0	13.2		ug/L		66	56 - 100	5	15
Fluorene			20.0	12.4		ug/L		62	53 - 100	2	17
Hexachlorobenzene			20.0	12.7		ug/L		64	46 - 100	4	15
Hexachlorobutadiene			20.0	12.4		ug/L		62	42 - 101	0	15
Hexachlorocyclopentadiene			20.0	11.6		ug/L		58	38 - 102	1	16
Hexachloroethane			20.0	13.8		ug/L		69	46 - 100	3	16
Indeno[1,2,3-cd]pyrene			20.0	13.4		ug/L		67	54 - 100	2	16
Isophorone			20.0	13.2		ug/L		66	50 - 100	2	15
Methylphenol, 3 & 4			20.0	13.0		ug/L		65	51 - 100	3	18
Naphthalene			20.0	12.3		ug/L		61	53 - 100	2	15
Nitrobenzene			20.0	13.0		ug/L		65	47 - 100	0	16
N-Nitrosodi-n-propylamine			20.0	13.4		ug/L		67	43 - 103	2	16
N-Nitrosodiphenylamine			20.0	13.9		ug/L		69	53 - 100	4	16
Pentachlorophenol			40.0	22.1		ug/L		55	35 - 102	2	17
Phenanthrene			20.0	13.1		ug/L		65	53 - 100	2	15
Phenol			20.0	13.2		ug/L		66	49 - 100	1	17
Pyrene			20.0	12.0		ug/L		60	53 - 100	9	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*70*		*23 - 128*
2-Fluorobiphenyl	*62*		*20 - 105*
2-Fluorophenol (Surr)	*70*		*20 - 105*
Nitrobenzene-d5 (Surr)	*67*		*20 - 107*
Phenol-d5 (Surr)	*68*		*20 - 106*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-513898/3-A
Matrix: Water
Analysis Batch: 514084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513898

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14 (Surr)	*61*		*22 - 120*

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-513864/6
Matrix: Water
Analysis Batch: 513864

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00	0.712	mg/L			05/15/26 16:22	1
Sulfate	ND		1.00	0.756	mg/L			05/15/26 16:22	1
Nitrate as N	ND		0.100	0.0230	mg/L			05/15/26 16:22	1

Lab Sample ID: LCS 180-513864/7
Matrix: Water
Analysis Batch: 513864

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.42		mg/L		101	80 - 120
Sulfate	50.0	50.02		mg/L		100	80 - 120
Nitrate as N	2.50	2.563		mg/L		103	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-821776/1-A
Matrix: Water
Analysis Batch: 823115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		26	12	ug/L		05/21/26 11:51	05/24/26 00:48	1
Antimony	ND		1.0	0.21	ug/L		05/21/26 11:51	05/24/26 00:48	1
Arsenic	ND		2.1	0.70	ug/L		05/21/26 11:51	05/24/26 00:48	1
Barium	ND		2.1	0.77	ug/L		05/21/26 11:51	05/24/26 00:48	1
Beryllium	ND		0.52	0.12	ug/L		05/21/26 11:51	05/24/26 00:48	1
Cadmium	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 00:48	1
Calcium	ND		120	52	ug/L		05/21/26 11:51	05/24/26 00:48	1
Chromium	ND		2.1	0.57	ug/L		05/21/26 11:51	05/24/26 00:48	1
Cobalt	ND		0.52	0.16	ug/L		05/21/26 11:51	05/24/26 00:48	1
Copper	ND		1.0	0.88	ug/L		05/21/26 11:51	05/24/26 00:48	1
Iron	ND		52	21	ug/L		05/21/26 11:51	05/24/26 00:48	1
Lead	0.172	J B	0.52	0.12	ug/L		05/21/26 11:51	05/24/26 00:48	1
Magnesium	ND		52	16	ug/L		05/21/26 11:51	05/24/26 00:48	1
Manganese	ND		2.1	0.98	ug/L		05/21/26 11:51	05/24/26 00:48	1
Nickel	ND		1.0	0.41	ug/L		05/21/26 11:51	05/24/26 00:48	1
Potassium	ND		210	67	ug/L		05/21/26 11:51	05/24/26 00:48	1
Selenium	ND		1.0	0.29	ug/L		05/21/26 11:51	05/24/26 00:48	1
Silver	ND		0.52	0.10	ug/L		05/21/26 11:51	05/24/26 00:48	1
Sodium	ND		210	93	ug/L		05/21/26 11:51	05/24/26 00:48	1
Thallium	ND		0.52	0.13	ug/L		05/21/26 11:51	05/24/26 00:48	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-821776/1-A
Matrix: Water
Analysis Batch: 823115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		4.1	0.82	ug/L		05/21/26 11:51	05/24/26 00:48	1
Zinc	ND		10	4.1	ug/L		05/21/26 11:51	05/24/26 00:48	1

Lab Sample ID: LCS 410-821776/2-A
Matrix: Water
Analysis Batch: 823115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	4900		ug/L		98	83 - 114
Antimony	100	97.7		ug/L		98	85 - 115
Arsenic	500	466		ug/L		93	86 - 111
Barium	500	492		ug/L		98	86 - 114
Beryllium	50.0	47.6		ug/L		95	80 - 120
Cadmium	50.0	48.0		ug/L		96	86 - 114
Calcium	5000	4630		ug/L		93	84 - 113
Chromium	500	458		ug/L		92	84 - 113
Cobalt	500	462		ug/L		92	85 - 112
Copper	500	462		ug/L		92	86 - 111
Iron	5000	4610		ug/L		92	84 - 114
Lead	50.0	49.9		ug/L		100	86 - 114
Magnesium	5000	4600		ug/L		92	84 - 113
Manganese	500	465		ug/L		93	84 - 113
Nickel	500	464		ug/L		93	85 - 113
Potassium	5000	4720		ug/L		94	87 - 111
Selenium	100	93.5		ug/L		94	86 - 111
Silver	50.0	48.5		ug/L		97	88 - 116
Sodium	5000	5000		ug/L		100	84 - 114
Thallium	100	100		ug/L		100	86 - 113
Vanadium	500	461		ug/L		92	84 - 112
Zinc	500	465		ug/L		93	86 - 112

Lab Sample ID: MB 410-825789/1-A
Matrix: Water
Analysis Batch: 826215

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 825789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 00:09	05/29/26 11:29	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 00:09	05/29/26 11:29	1
Arsenic	ND		2.0	0.68	ug/L		05/29/26 00:09	05/29/26 11:29	1
Barium	ND		2.0	0.75	ug/L		05/29/26 00:09	05/29/26 11:29	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 00:09	05/29/26 11:29	1
Calcium	ND		120	50	ug/L		05/29/26 00:09	05/29/26 11:29	1
Chromium	ND		2.0	0.55	ug/L		05/29/26 00:09	05/29/26 11:29	1
Cobalt	ND		0.50	0.16	ug/L		05/29/26 00:09	05/29/26 11:29	1
Copper	ND		1.0	0.85	ug/L		05/29/26 00:09	05/29/26 11:29	1
Iron	ND		50	20	ug/L		05/29/26 00:09	05/29/26 11:29	1
Lead	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 11:29	1
Magnesium	ND		50	16	ug/L		05/29/26 00:09	05/29/26 11:29	1
Manganese	ND		2.0	0.95	ug/L		05/29/26 00:09	05/29/26 11:29	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-825789/1-A
Matrix: Water
Analysis Batch: 826215

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 825789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		1.0	0.40	ug/L		05/29/26 00:09	05/29/26 11:29	1
Potassium	ND		200	65	ug/L		05/29/26 00:09	05/29/26 11:29	1
Selenium	ND		1.0	0.28	ug/L		05/29/26 00:09	05/29/26 11:29	1
Silver	ND		0.50	0.10	ug/L		05/29/26 00:09	05/29/26 11:29	1
Sodium	ND		200	90	ug/L		05/29/26 00:09	05/29/26 11:29	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 00:09	05/29/26 11:29	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 00:09	05/29/26 11:29	1
Zinc	ND		10	4.0	ug/L		05/29/26 00:09	05/29/26 11:29	1

Lab Sample ID: MB 410-825789/1-A
Matrix: Water
Analysis Batch: 826531

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 825789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.50	0.12	ug/L		05/29/26 00:09	05/29/26 18:24	1

Lab Sample ID: LCS 410-825789/2-A
Matrix: Water
Analysis Batch: 826215

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 825789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5220		ug/L		104	83 - 114
Antimony	100	104		ug/L		104	85 - 115
Arsenic	500	522		ug/L		104	86 - 111
Barium	500	523		ug/L		105	86 - 114
Cadmium	50.0	51.2		ug/L		102	86 - 114
Calcium	5000	4780		ug/L		96	84 - 113
Chromium	500	498		ug/L		100	84 - 113
Cobalt	500	499		ug/L		100	85 - 112
Copper	500	513		ug/L		103	86 - 111
Iron	5000	5090		ug/L		102	84 - 114
Lead	50.0	52.7		ug/L		105	86 - 114
Magnesium	5000	5030		ug/L		101	84 - 113
Manganese	500	501		ug/L		100	84 - 113
Nickel	500	498		ug/L		100	85 - 113
Potassium	5000	4970		ug/L		99	87 - 111
Selenium	100	101		ug/L		101	86 - 111
Silver	50.0	53.6		ug/L		107	88 - 116
Sodium	5000	5090		ug/L		102	84 - 114
Thallium	100	98.8		ug/L		99	86 - 113
Vanadium	500	499		ug/L		100	84 - 112
Zinc	500	514		ug/L		103	86 - 112

Lab Sample ID: LCS 410-825789/2-A
Matrix: Water
Analysis Batch: 826531

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 825789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	48.3		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-820963/14-A
Matrix: Water
Analysis Batch: 823358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 820963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/21/26 19:25	05/22/26 01:27	1

Lab Sample ID: LCS 410-820963/15-A
Matrix: Water
Analysis Batch: 823358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 820963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.999		ug/L		100	80 - 120

Lab Sample ID: MB 410-823400/14-A
Matrix: Water
Analysis Batch: 824496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 823400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/26/26 10:37	05/26/26 14:58	1

Lab Sample ID: LCS 410-823400/15-A
Matrix: Water
Analysis Batch: 824496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 823400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.07		ug/L		107	80 - 120

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-827686/3
Matrix: Water
Analysis Batch: 827686

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			06/02/26 07:33	1

Lab Sample ID: LCS 410-827686/4
Matrix: Water
Analysis Batch: 827686

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	244		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-827686/5
Matrix: Water
Analysis Batch: 827686

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	250	245		mg/L		98	90 - 110	0	10

Method: 2310B-2011 - Acidity (Continued)

Lab Sample ID: 180-205465-10 DU
Matrix: Water
Analysis Batch: 827686

Client Sample ID: MW-47
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	- 322.146	H		- 321.744		mg/L				NC	10

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-513846/7
Matrix: Water
Analysis Batch: 513846

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/15/26 08:44	1

Lab Sample ID: LCS 180-513846/8
Matrix: Water
Analysis Batch: 513846

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Turbidity			0.850	0.85		NTU		101	90 - 110		

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-513892/22
Matrix: Water
Analysis Batch: 513892

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

Lab Sample ID: LCS 180-513892/39
Matrix: Water
Analysis Batch: 513892

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

Lab Sample ID: 180-205465-10 DU
Matrix: Water
Analysis Batch: 513892

Client Sample ID: MW-47
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.5	HF		7.5		SU				0.1	2

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-514099/1
Matrix: Water
Analysis Batch: 514099

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/21/26 14:09	1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: LCS 180-514099/2
Matrix: Water
Analysis Batch: 514099

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	84.0	86.5		umhos/cm		103	90 - 110

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

Lab Sample ID: MB 180-514105/1
Matrix: Water
Analysis Batch: 514105

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	10	mg/L			05/21/26 18:15	1

Lab Sample ID: LCS 180-514105/2
Matrix: Water
Analysis Batch: 514105

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	653	626		mg/L		96	85 - 115

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-514137/2
Matrix: Water
Analysis Batch: 514137

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/22/26 09:59	1

Lab Sample ID: LCS 180-514137/1
Matrix: Water
Analysis Batch: 514137

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	241		mg/L		96	90 - 110

GC/MS VOA

Analysis Batch: 824578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-8	MW-22D	Total/NA	Water	8260D	
180-205465-10	MW-47	Total/NA	Water	8260D	
180-205465-12	MW-38D	Total/NA	Water	8260D	
180-205465-14	MW-48	Total/NA	Water	8260D	
MB 410-824578/6	Method Blank	Total/NA	Water	8260D	
LCS 410-824578/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 825182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-1	MW-11S	Total/NA	Water	8260D	
180-205465-1 - DL	MW-11S	Total/NA	Water	8260D	
180-205465-2	MW-11D	Total/NA	Water	8260D	
180-205465-3	MW-11D-DUP	Total/NA	Water	8260D	
180-205465-4	MW-21	Total/NA	Water	8260D	
180-205465-5	MW-30	Total/NA	Water	8260D	
180-205465-6	MW-6S	Total/NA	Water	8260D	
180-205465-7	MW-6D	Total/NA	Water	8260D	
180-205465-8 - DL	MW-22D	Total/NA	Water	8260D	
180-205465-9	MW-22S	Total/NA	Water	8260D	
180-205465-9 - DL	MW-22S	Total/NA	Water	8260D	
180-205465-11	MW-23	Total/NA	Water	8260D	
180-205465-11 - DL	MW-23	Total/NA	Water	8260D	
180-205465-13	MW-33	Total/NA	Water	8260D	
180-205465-15	MW-48-DUP	Total/NA	Water	8260D	
180-205465-16	TB-4	Total/NA	Water	8260D	
MB 410-825182/15	Method Blank	Total/NA	Water	8260D	
MB 410-825182/7	Method Blank	Total/NA	Water	8260D	
LCS 410-825182/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-825182/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 826000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-2 - DL	MW-11D	Total/NA	Water	8260D	
180-205465-3 - DL	MW-11D-DUP	Total/NA	Water	8260D	
180-205465-4 - DL	MW-21	Total/NA	Water	8260D	
MB 410-826000/7	Method Blank	Total/NA	Water	8260D	
MB 410-826000/8	Method Blank	Total/NA	Water	8260D	
LCS 410-826000/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 513898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-1	MW-11S	Total/NA	Water	3520C	
180-205465-2	MW-11D	Total/NA	Water	3520C	
180-205465-2 - DL	MW-11D	Total/NA	Water	3520C	
180-205465-3	MW-11D-DUP	Total/NA	Water	3520C	
180-205465-3 - DL	MW-11D-DUP	Total/NA	Water	3520C	
180-205465-4 - DL	MW-21	Total/NA	Water	3520C	
180-205465-4	MW-21	Total/NA	Water	3520C	
180-205465-5	MW-30	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 513898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-6	MW-6S	Total/NA	Water	3520C	
180-205465-7	MW-6D	Total/NA	Water	3520C	
180-205465-8 - DL	MW-22D	Total/NA	Water	3520C	
180-205465-8	MW-22D	Total/NA	Water	3520C	
180-205465-9 - DL	MW-22S	Total/NA	Water	3520C	
180-205465-9	MW-22S	Total/NA	Water	3520C	
180-205465-10	MW-47	Total/NA	Water	3520C	
180-205465-11	MW-23	Total/NA	Water	3520C	
180-205465-12	MW-38D	Total/NA	Water	3520C	
180-205465-13	MW-33	Total/NA	Water	3520C	
180-205465-14	MW-48	Total/NA	Water	3520C	
180-205465-15	MW-48-DUP	Total/NA	Water	3520C	
MB 180-513898/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-513898/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-513898/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 514084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-1	MW-11S	Total/NA	Water	EPA 8270E LL	513898
180-205465-2	MW-11D	Total/NA	Water	EPA 8270E LL	513898
180-205465-3	MW-11D-DUP	Total/NA	Water	EPA 8270E LL	513898
180-205465-4	MW-21	Total/NA	Water	EPA 8270E LL	513898
180-205465-5	MW-30	Total/NA	Water	EPA 8270E LL	513898
180-205465-6	MW-6S	Total/NA	Water	EPA 8270E LL	513898
180-205465-7	MW-6D	Total/NA	Water	EPA 8270E LL	513898
180-205465-8	MW-22D	Total/NA	Water	EPA 8270E LL	513898
180-205465-8 - DL	MW-22D	Total/NA	Water	EPA 8270E LL	513898
180-205465-9	MW-22S	Total/NA	Water	EPA 8270E LL	513898
180-205465-10	MW-47	Total/NA	Water	EPA 8270E LL	513898
180-205465-11	MW-23	Total/NA	Water	EPA 8270E LL	513898
180-205465-12	MW-38D	Total/NA	Water	EPA 8270E LL	513898
180-205465-13	MW-33	Total/NA	Water	EPA 8270E LL	513898
180-205465-14	MW-48	Total/NA	Water	EPA 8270E LL	513898
180-205465-15	MW-48-DUP	Total/NA	Water	EPA 8270E LL	513898
MB 180-513898/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	513898
LCS 180-513898/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	513898
LCSD 180-513898/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270E LL	513898

Analysis Batch: 514087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-2 - DL	MW-11D	Total/NA	Water	EPA 8270E LL	513898
180-205465-3 - DL	MW-11D-DUP	Total/NA	Water	EPA 8270E LL	513898

Analysis Batch: 514135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-4 - DL	MW-21	Total/NA	Water	EPA 8270E LL	513898
180-205465-9 - DL	MW-22S	Total/NA	Water	EPA 8270E LL	513898

HPLC/IC

Analysis Batch: 513864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	EPA 9056A	
180-205465-10	MW-47	Total/NA	Water	EPA 9056A	
180-205465-14	MW-48	Total/NA	Water	EPA 9056A	
MB 180-513864/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-513864/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 820963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Dissolved	Water	7470A	
180-205465-14	MW-48	Dissolved	Water	7470A	
180-205465-15	MW-48-DUP	Dissolved	Water	7470A	
MB 410-820963/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-820963/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 821776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Dissolved	Water	Non-Digest Prep	
180-205465-14	MW-48	Dissolved	Water	Non-Digest Prep	
180-205465-15	MW-48-DUP	Dissolved	Water	Non-Digest Prep	
MB 410-821776/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-821776/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 823115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Dissolved	Water	6020B	821776
180-205465-14	MW-48	Dissolved	Water	6020B	821776
180-205465-15	MW-48-DUP	Dissolved	Water	6020B	821776
MB 410-821776/1-A	Method Blank	Total/NA	Water	6020B	821776
LCS 410-821776/2-A	Lab Control Sample	Total/NA	Water	6020B	821776

Analysis Batch: 823358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Dissolved	Water	7470A	820963
180-205465-14	MW-48	Dissolved	Water	7470A	820963
180-205465-15	MW-48-DUP	Dissolved	Water	7470A	820963
MB 410-820963/14-A	Method Blank	Total/NA	Water	7470A	820963
LCS 410-820963/15-A	Lab Control Sample	Total/NA	Water	7470A	820963

Prep Batch: 823400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	7470A	
180-205465-14	MW-48	Total/NA	Water	7470A	
180-205465-15	MW-48-DUP	Total/NA	Water	7470A	
MB 410-823400/14-A	Method Blank	Total/NA	Water	7470A	
LCS 410-823400/15-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 823442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Dissolved	Water	6020B	821776

Metals

Analysis Batch: 824496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	7470A	823400
180-205465-14	MW-48	Total/NA	Water	7470A	823400
180-205465-15	MW-48-DUP	Total/NA	Water	7470A	823400
MB 410-823400/14-A	Method Blank	Total/NA	Water	7470A	823400
LCS 410-823400/15-A	Lab Control Sample	Total/NA	Water	7470A	823400

Prep Batch: 825789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total Recoverable	Water	3005A	
180-205465-14	MW-48	Total Recoverable	Water	3005A	
180-205465-15	MW-48-DUP	Total Recoverable	Water	3005A	
MB 410-825789/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-825789/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 826215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total Recoverable	Water	6020B	825789
180-205465-14	MW-48	Total Recoverable	Water	6020B	825789
180-205465-15	MW-48-DUP	Total Recoverable	Water	6020B	825789
MB 410-825789/1-A	Method Blank	Total Recoverable	Water	6020B	825789
LCS 410-825789/2-A	Lab Control Sample	Total Recoverable	Water	6020B	825789

Analysis Batch: 826531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total Recoverable	Water	6020B	825789
180-205465-10	MW-47	Total Recoverable	Water	6020B	825789
180-205465-14	MW-48	Total Recoverable	Water	6020B	825789
180-205465-15	MW-48-DUP	Total Recoverable	Water	6020B	825789
MB 410-825789/1-A	Method Blank	Total Recoverable	Water	6020B	825789
LCS 410-825789/2-A	Lab Control Sample	Total Recoverable	Water	6020B	825789

General Chemistry

Analysis Batch: 513846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	EPA 180.1	
180-205465-14	MW-48	Total/NA	Water	EPA 180.1	
MB 180-513846/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-513846/8	Lab Control Sample	Total/NA	Water	EPA 180.1	

Analysis Batch: 513892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-4	MW-21	Total/NA	Water	EPA 9040C	
180-205465-10	MW-47	Total/NA	Water	EPA 9040C	
180-205465-14	MW-48	Total/NA	Water	EPA 9040C	
LCS 180-513892/22	Lab Control Sample	Total/NA	Water	EPA 9040C	
LCS 180-513892/39	Lab Control Sample	Total/NA	Water	EPA 9040C	
180-205465-10 DU	MW-47	Total/NA	Water	EPA 9040C	

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205465-1

General Chemistry

Analysis Batch: 514099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	SM 2510B	
180-205465-14	MW-48	Total/NA	Water	SM 2510B	
MB 180-514099/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-514099/2	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 514105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	SM 2540C	
180-205465-14	MW-48	Total/NA	Water	SM 2540C	
MB 180-514105/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-514105/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 514137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	SM2320 B	
180-205465-14	MW-48	Total/NA	Water	SM2320 B	
MB 180-514137/2	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-514137/1	Lab Control Sample	Total/NA	Water	SM2320 B	

Analysis Batch: 827686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205465-10	MW-47	Total/NA	Water	2310B-2011	
180-205465-14	MW-48	Total/NA	Water	2310B-2011	
MB 410-827686/3	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-827686/4	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-827686/5	Lab Control Sample Dup	Total/NA	Water	2310B-2011	
180-205465-10 DU	MW-47	Total/NA	Water	2310B-2011	

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Chris Kupfer**		COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	**Site Contact: Dave Gaviglia**	Date: 1 of 2 COCs
100 Airside Drive	Tel/Fax: 724-457-8910	**Lab Contact: Andy Johnson**	Carrier: Hand Delivered
Moon Twp., PA 15108	**Analysis Turnaround Time**		TALS Project #:
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS		Sampler: Dave Gaviglia
	TAT if different from Below		**For Lab Use Only:**
Project Name: 2026 Groundwater Investigation	☑ 2 weeks		Walk-in Client:
Site: Erie Coke Works	☐ 1 week		Lab Sampling:
P O #: 208908	☐ 2 days		Job / SDG No.:
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-11S	5/14/26	0845	G	GW		X	X					
MW-11D		1000				X	X					"Hot" Sample
MW-11D-DUP		1020				X	X					"Hot Sample
MW-21		1200				X	X				X	
MW-30		1530				X	X					
MW-65		0845				X	X					
MW-6D		1000				X	X					
MW-22S		1130				X	X					
MW-22D		1245				X	X					
MW-47		1525				X	X	X	X	X		
MW-23		0850				X	X					
MW-38D	↓	1010	↓	↓		X	X					

180-205465 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/14/26 1700	Received by:	Company: EFPITS	Date/Time: 5/15/26 0850
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Chris Kupfer**		COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	**Site Contact: Dave Gaviglia**	**Date:** 2 of 2 COCs
100 Airside Drive	Tel/Fax: 724-457-8910	**Lab Contact: Andy Johnson**	**Carrier: Hand Delivered** TALS Project #:
Moon Twp., PA 15108	**Analysis Turnaround Time**		Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
	TAT if different from Below		Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks		Lab Sampling:
Site: Erie Coke Works	☐ 1 week		Job / SDG No.:
P O #: 208908	☐ 2 days		
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	Sample Specific Notes:
MW-33	5/14/26	1215	G	GW		X	X					
MW-48	↓	1530	↓	↓		X	X	X	X	X		
MW-48-DUP	↓	1540	↓	↓		X	X		X	X		
TB-4	—	—	—	—	—	X						Trip Blank

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____	Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/14/26-1700	Received by:	Company: EFANES	Date/Time: 5/15/26 0850
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:



ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPER
MICHAEL BAKER JR INC
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 14MAY26
ACTWGT: 57.60 LB
CAD: 6570002/ROSA2710
DIMS: 27x17x15 IN

BILL THIRD PARTY

TO ANDY JOHNSON EUROFIN ENVIRONMENT
TESTING – PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 269-6300
INV:
PO:
REF:
DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 28
CF -0.3 Initials

1 of 2
TRK# 0201 8718 1906 1143
MASTER
65 AGCA
PA-US

FRI – 15 MAY 1
PRIORITY OVERN

ORIGIN ID:ERIA (412) 269-6300
CHRIS KUPER
MICHAEL BAKER JR INC
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 14MAY26
ACTWGT: 56.15 LB
CAD: 6570002/ROSA2710
DIMS: 28x17x15 IN

BILL THIRD PARTY

TO ANDY JOHNSON EUROFIN ENVIRONMENT
TESTING – PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 269-6300
INV:
PO:
REF:
DEPT:

PT-WI-SR-001 effective 7/26/13

Uncorrected temp 3.6 °C
Thermometer ID 28
CF -0.3 Initials

FedEx Express

REL# 3785346

2 of 2
MPS# 0263 8718 1906 1154
Mstr# 8718 1906 1143
0201
65 AGCA
PA-US

FRI – 15 MAY 10:30A
PRIORITY OVERNIGHT
15238
PIT

180-205465 Waybill

Part # 156297-[illegible] EXP 02/27

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556862.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205465-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/1/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

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)	8260D_LL/5030CVOCs	6020B/3005ATAL Metals	7470A/7470A_PrepMercury	6020B/FIELD_FLTRDDissolved TAL Metals (field filtered)	7470A/FIELD_FLTRDDissolved Mercury (field filtered)	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-11S (180-205465-1)	5/14/26	08:45 Eastern	G	Water			X						3	
MW-11D (180-205465-2)	5/14/26	10:00 Eastern	G	Water			X						3	per client, "hot" sample
MW-11D-DUP (180-205465-3)	5/14/26	10:20 Eastern	G	Water			X						3	per client, "hot" sample
MW-21 (180-205465-4)	5/14/26	12:00 Eastern	G	Water			X						3	
MW-30 (180-205465-5)	5/14/26	15:30 Eastern	G	Water			X						3	
MW-6S (180-205465-6)	5/14/26	08:45 Eastern	G	Water			X						3	
MW-6D (180-205465-7)	5/14/26	10:00 Eastern	G	Water			X						2	
MW-22S (180-205465-8)	5/14/26	11:30 Eastern	G	Water			X						3	
MW-22D (180-205465-9)	5/14/26	12:45 Eastern	G	Water			X						3	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/18/26 1410	EPHWE	MA	5/18/26 1410	ELLE
2	MA	5/18/26 1800	ELLE			
3					5/18/26 1800	ELLE

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☐ Yes ☐ No		R: 3.9 C: 4.0

Ver: 03/20/2026

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-556862.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205465-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/1/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

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)	8260D_LL/5030CVOCs	6020B/3005ATAL Metals	7470A/7470A_PrepMercury	6020B/FIELD_FLTRDDissolved TAL Metals (field filtered)	7470A/FIELD_FLTRDDissolved Mercury (field filtered)	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-47 (180-205465-10)	5/14/26	15:25 Eastern	G	Water			X	X	X	X	X	X	5	
MW-23 (180-205465-11)	5/14/26	08:50 Eastern	G	Water			X						3	
MW-38D (180-205465-12)	5/14/26	10:10 Eastern	G	Water			X						3	
MW-33 (180-205465-13)	5/14/26	12:15 Eastern	G	Water			X						3	
MW-48 (180-205465-14)	5/14/26	15:30 Eastern	G	Water			X	X	X	X	X	X	5	
MW-48-DUP (180-205465-15)	5/14/26	15:40 Eastern	G	Water			X	X	X	X	X		5	
TB-4 (180-205465-16)	5/14/26	Eastern	G	Water			X						2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *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	James J. Hinkelman	5/18/26 14:00	EPITIMS	MQA	5/18/26 1410	ELLE
2	MQA	5/18/26 1800	ELLE			
3					5/18/26 1800	ELLE

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

Cooler Temperature(s) °C and Other Remarks: R: 3.9 C: 4.0

Ver: 03/20/2026

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-557361.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205465-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/1/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	8260D_LL/5030CVOCs	6020B/3005ATAL Metals	7470A/7470A_PrepMercury	6020B/FIELD_FLTRDDissolved TAL Metals (field filtered)	6020B/MTL_ND_PrepDissolved TAL Metals (field filtered)	7470A/FIELD_FLTRDDissolved Mercury (field filtered)	7470A/7470A_PrepDissolved Mercury (field filtered)	SM2310BAcidity	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
MW-47 (180-205465-10)	5/14/26	15:25 Eastern	G	Water			X	X	X	X	X	X	X	X	1	
MW-48 (180-205465-14)	5/14/26	15:30 Eastern	G	Water			X	X	X	X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	James J. Heidelberger	5/29/26 1400	EPTHE		5/29/26 1415	ELLC
2		5/29/26 1830	ELLC			
3					5/29/26 1830	

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
☐ Yes ☐ No		5.5/5.6

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205465-1

Login Number: 205465

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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.	False	
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205465-1

Login Number: 205465
List Number: 2
Creator: Williams, Aeric

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/18/26 11:00 PM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris Kupfer
Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Moon Township, Pennsylvania 15108

Generated 6/8/2026 12:49:31 PM

JOB DESCRIPTION

Erie Coke Works

JOB NUMBER

180-205662-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

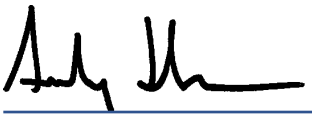
Job Notes

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.

PA Lab ID: 02-00416

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 Pittsburgh Project Manager.

Authorization



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6/8/2026 12:49:31 PM

Authorized for release by
Andy Johnson, Senior Project Manager
Andy.Johnson@et.eurofinsus.com
(615)818-9567

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Job Narrative
180-205662-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 5/21/2026 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.8°C and 4.8°C.

GC/MS VOA
Method 8260D: SIM/SCAN

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-827683 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, Bromomethane, Chloroethane, trans-1,3-Dichloropropene and Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Reanalysis of the following sample was performed outside of the analytical holding time due to results in the initial analysis above the upper calibration range: MW-27S (180-205662-2).

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to detections over calibration range in the initial analysis. MW-34S (180-205662-3), MW-36S (180-205662-6), MW-36D (180-205662-7) and MW-10D (180-205662-9)

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following sample contained headspace: MW-34S (180-205662-3). The sample container was received with headspace.

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failing QC in the initial analysis. TB-7 (180-205662-10)

Method 8260D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-10S (180-205662-8)

Method 8260D: Surrogate recovery for the following sample was outside control limits: MW-10S (180-205662-8). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both runs are reported.

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

GC/MS Semi VOA
Method EPA 8270E LL: The continuing calibration verification (CCV) associated with batch 180-514196 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 180-514196/3).

Method EPA 8270E LL: The continuing calibration verification (CCV) associated with batch 180-514261 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 180-514261/3).

Method EPA 8270E LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 180-514114 and analytical batch 180-514196 recovered outside control limits for several analytes.

Method EPA 8270E LL: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-27S (180-205662-2) and WW-1 (180-205662-5). Elevated reporting limits (RLs) are provided.

Method EPA 8270E LL: The following samples were diluted due to an abundance of target analytes; MW-34S (180-205662-3), MW-34D (180-205662-4), MW-36S (180-205662-6), MW-36D (180-205662-7), MW-10S (180-205662-8) and MW-10D (180-205662-9). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

HPLC/IC
Method EPA 9056A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-34D (180-205662-4) and MW-10S (180-205662-8).

Method EPA 9056A: The following samples were diluted due to the nature of the sample matrix: MW-34D (180-205662-4) and MW-10S (180-205662-8). Elevated reporting limits (RLs) are provided.

Method EPA 9056A: The following sample(s) were received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-34S (180-205662-3) and MW-36D (180-205662-7).

Method EPA 9056A: The following sample was analyzed outside of analytical holding time due to a laboratory error: MW-10D (180-205662-9).

Method EPA 9056A: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis: MW-10D (180-205662-9). Reanalysis data aligned with in-hold trial, therefore, in-hold data have been reported with reanalysis data set to secondary.

Method EPA 9056A: The following sample was diluted due to the nature of the sample matrix: MW-10D (180-205662-9). Elevated reporting limits (RLs) are provided.

Method EPA 9056A: The following sample(s) were received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-27S (180-205662-2) and MW-36S (180-205662-6).

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

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

General Chemistry
Method EPA 180.1: Samples MW-27S (180-205662-2), MW-34S (180-205662-3), MW-34D (180-205662-4), MW-36S (180-205662-6), MW-36D (180-205662-7), MW-10S (180-205662-8) and MW-10D (180-205662-9) was/were received outside of holding time.

Method EPA 180.1: Samples MW-27S (180-205662-2) and MW-36S (180-205662-6) was/were received outside of holding time.

Method EPA 180.1: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-34S (180-205662-3) and MW-36D (180-205662-7).

Method EPA 180.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-34S (180-205662-3), MW-36S (180-205662-6), MW-10S (180-205662-8) and MW-10D (180-205662-9). Elevated reporting limits (RLs) are provided.

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -131.364 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-27S (180-205662-2)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -122.442 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-34S (180-205662-3)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -125.256 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-34D (180-205662-4)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -182.016 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-36S (180-205662-6)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -73.32 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-36D (180-205662-7)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -112.068 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-10S (180-205662-8)

Method 2310B-2011: The following sample was analyzed at a dilution due to the matrix of the sample. The dilution factor of 2.0 was applied to the raw result of -50.004 mg/L by manually performing the calculation. The reported result has the dilution factor applied.

MW-10D (180-205662-9)

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^c	CCV Recovery is outside acceptance limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
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
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
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Accreditation/Certification Summary

Client: Michael Baker International, Inc.
Job ID: 180-205662-1
Project/Site: Erie Coke Works

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	02-00416	04-30-27

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Sample Summary

Client: Michael Baker International, Inc.
Job ID: 180-205662-1
Project/Site: Erie Coke Works

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-205662-1	FB-1	Water	05/19/26 08:00	05/21/26 09:40	Pennsylvania
180-205662-2	MW-27S	Water	05/19/26 08:20	05/21/26 09:40	Pennsylvania
180-205662-3	MW-34S	Water	05/19/26 10:30	05/21/26 09:40	Pennsylvania
180-205662-4	MW-34D	Water	05/19/26 12:50	05/21/26 09:40	Pennsylvania
180-205662-5	WW-1	Water	05/19/26 15:00	05/21/26 09:40	Pennsylvania
180-205662-6	MW-36S	Water	05/19/26 09:10	05/21/26 09:40	Pennsylvania
180-205662-7	MW-36D	Water	05/19/26 10:55	05/21/26 09:40	Pennsylvania
180-205662-8	MW-10S	Water	05/19/26 12:50	05/21/26 09:40	Pennsylvania
180-205662-9	MW-10D	Water	05/19/26 15:15	05/21/26 09:40	Pennsylvania
180-205662-10	TB-7	Water	05/19/26 00:00	05/21/26 09:40	Pennsylvania

Method Summary

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
9056A	Anions, Ion Chromatography	SW846	ELLE
EPA 9056A	Anions, Ion Chromatography	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	ELLE
2310B-2011	Acidity	SM	ELLE
9012	Cyanide, Reactive	SW846	ELLE
9034	Sulfide, Reactive	SW846	ELLE
EPA 180.1	Turbidity, Nephelometric	EPA	EET PIT
EPA 9040C	pH	SW846	EET PIT
SM 2510B	Conductivity, Specific Conductance	SM	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
1311	TCLP Extraction	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	ELLE
7.3.3	Cyanide, Reactive	SW846	ELLE
7.3.4	Sulfide, Reactive	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: FB-1

Lab Sample ID: 180-205662-1

Date Collected: 05/19/26 08:00

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	25 mL	25 mL	827683	06/02/26 14:21	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	514261	05/27/26 18:44	VVP	EET PIT
	Instrument ID: CH733									
Total Recoverable	Prep	3005A			50 mL	50 mL	825872	05/29/26 08:50	RFN5	ELLE
Total Recoverable	Analysis	6020B		1			826540	05/29/26 18:05	I9IN	ELLE
	Instrument ID: E12-									
Total/NA	Prep	7470A			20 mL	20 mL	824215	05/28/26 17:01	ZKHU	ELLE
Total/NA	Analysis	7470A		1			825824	05/28/26 22:02	IJ3I	ELLE
	Instrument ID: M10 – 31820									

Client Sample ID: MW-27S

Lab Sample ID: 180-205662-2

Date Collected: 05/19/26 08:20

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	25 mL	25 mL	827683	06/02/26 19:07	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Analysis	8260D	DL	100	25 mL	25 mL	829323	06/04/26 21:06	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			250 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		10	1 mL	1 mL	514323	05/28/26 10:54	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		2			822771	05/22/26 21:18	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	9056A		100			822771	05/22/26 21:31	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		2			822770	05/22/26 21:18	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			514096	05/21/26 12:06	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:21	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:31	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:26	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-34S

Lab Sample ID: 180-205662-3

Date Collected: 05/19/26 10:30

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	500	25 mL	25 mL	829846	06/05/26 06:42	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		50	25 mL	25 mL	827683	06/02/26 19:29	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		50	1 mL	1 mL	514323	05/28/26 11:15	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		20	1 mL	1 mL	824099	05/26/26 14:59	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		100			822771	05/22/26 23:39	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		1			822770	05/22/26 23:15	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		2			514096	05/21/26 12:09	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:26	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:35	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:33	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-34D

Lab Sample ID: 180-205662-4

Date Collected: 05/19/26 12:50

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	25 mL	25 mL	827683	06/02/26 19:51	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		150	1 mL	1 mL	514323	05/28/26 11:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		50	1 mL	1 mL	822721	05/23/26 01:55	KJQ8	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	822722	05/23/26 01:44	KJQ8	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		1			514096	05/21/26 12:11	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-34D

Lab Sample ID: 180-205662-4

Date Collected: 05/19/26 12:50

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:52	RAO	EET PIT
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:37	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: WW-1

Lab Sample ID: 180-205662-5

Date Collected: 05/19/26 15:00

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			140 mL	90 mL	823054	05/23/26 15:39	ZL4A	ELLE
TCLP	Analysis	8260D		20	5 mL	5 mL	830119	06/05/26 12:07	ULCP	ELLE
	Instrument ID: 26285									
Total/NA	Analysis	8260D		200	25 mL	25 mL	827683	06/02/26 20:13	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		5	1 mL	1 mL	514323	05/28/26 09:50	VVP	EET PIT
	Instrument ID: CH733									
Total Recoverable	Prep	3005A			50 mL	50 mL	825872	05/29/26 08:50	RFN5	ELLE
Total Recoverable	Analysis	6020B		1			826540	05/29/26 19:54	I9IN	ELLE
	Instrument ID: E12-									
Total/NA	Prep	7470A			20 mL	20 mL	824215	05/28/26 17:01	ZKHU	ELLE
Total/NA	Analysis	7470A		1			825824	05/28/26 22:04	IJ3I	ELLE
	Instrument ID: M10 – 31820									
Total/NA	Analysis	1010B		1			830840	06/06/26 12:00	DI9Q	ELLE
	Instrument ID: NOEQUIP						Completed:	06/06/26 18:00 [1]		
Total/NA	Prep	7.3.4			10.34 g	500 mL	829966	06/04/26 22:42	QT6L	ELLE
Total/NA	Analysis	9012		1			830587	06/05/26 15:09	P684	ELLE
	Instrument ID: S0027									
Total/NA	Prep	7.3.4			10.34 g	500 mL	829966	06/04/26 22:42	QT6L	ELLE
Total/NA	Analysis	9034		1	200 mL	200 mL	830006	06/05/26 01:42	QT6L	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514359	05/28/26 13:57	RAO	EET PIT
	Instrument ID: OZ									

Client Sample ID: MW-36S

Lab Sample ID: 180-205662-6

Date Collected: 05/19/26 09:10

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	1000	25 mL	25 mL	829846	06/05/26 07:04	HR3Z	ELLE
	Instrument ID: 10193									

Client Sample ID: MW-36S

Lab Sample ID: 180-205662-6

Date Collected: 05/19/26 09:10

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		200	25 mL	25 mL	827683	06/02/26 20:35	N7YK	ELLE
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		150	1 mL	1 mL	514323	05/28/26 11:58	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		5	1 mL	1 mL	824099	05/26/26 14:36	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		100	1 mL	1 mL	824099	05/26/26 14:47	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	EPA 9056A		10			822770	05/22/26 18:12	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		2			514096	05/21/26 12:08	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 17:57	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:37	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:41	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-36D

Lab Sample ID: 180-205662-7

Date Collected: 05/19/26 10:55

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	1000	25 mL	25 mL	829846	06/05/26 07:26	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		200	25 mL	25 mL	827683	06/02/26 20:57	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		200	1 mL	1 mL	514323	05/28/26 12:19	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		5	1 mL	1 mL	824099	05/26/26 15:10	L4QM	ELLE
	Instrument ID: 3162									
Total/NA	Analysis	9056A		50			822771	05/22/26 22:33	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		10			822770	05/22/26 22:20	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36D

Lab Sample ID: 180-205662-7

Date Collected: 05/19/26 10:55

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 180.1		1			514096	05/21/26 12:10	SNR	EET PIT
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 18:03	RAO	EET PIT
	Instrument ID:	OZ								
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:38	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:45	ELS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: MW-10S

Lab Sample ID: 180-205662-8

Date Collected: 05/19/26 12:50

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	500	25 mL	25 mL	830104	06/05/26 18:00	N7YK	ELLE
	Instrument ID:	16334								
Total/NA	Analysis	8260D		500	25 mL	25 mL	827683	06/02/26 21:19	N7YK	ELLE
	Instrument ID:	19930								
Total/NA	Prep	3520C			250 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		200	1 mL	1 mL	514323	05/28/26 12:40	VVP	EET PIT
	Instrument ID:	CH733								
Total/NA	Analysis	9056A		50	1 mL	1 mL	822721	05/23/26 02:41	KJQ8	ELLE
	Instrument ID:	3162								
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	822722	05/23/26 02:30	KJQ8	ELLE
	Instrument ID:	3162								
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	EPA 180.1		10			514096	05/21/26 12:10	SNR	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 18:08	RAO	EET PIT
	Instrument ID:	OZ								
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:40	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:49	ELS	EET PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10D

Lab Sample ID: 180-205662-9

Date Collected: 05/19/26 15:15

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	2000	25 mL	25 mL	829846	06/05/26 07:48	HR3Z	ELLE
	Instrument ID: 10193									
Total/NA	Analysis	8260D		500	25 mL	25 mL	827683	06/02/26 21:41	N7YK	ELLE
	Instrument ID: 19930									
Total/NA	Prep	3520C			260 mL	0.25 mL	514114	05/22/26 01:33	VJC	EET PIT
Total/NA	Analysis	EPA 8270E LL		100	1 mL	1 mL	514323	05/28/26 13:02	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Analysis	9056A		50	1 mL	1 mL	823937	05/26/26 15:03	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	EPA 9056A		5			822867	05/22/26 17:51	L4QM	ELLE
	Instrument ID: 23204									
Total/NA	Analysis	EPA 9056A		5	1 mL	1 mL	823936	05/26/26 14:26	L4QM	ELLE
	Instrument ID: D27_INS_000009									
Total/NA	Analysis	2310B-2011		2	25 mL	25 mL	824534	05/27/26 11:07	B6LN	ELLE
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 180.1		20			514096	05/21/26 12:12	SNR	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			514299	05/22/26 18:13	RAO	EET PIT
	Instrument ID: OZ									
Total/NA	Analysis	SM 2510B		1			514175	05/22/26 15:41	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	514181	05/22/26 17:57	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1	50 mL	50 mL	514351	05/28/26 12:52	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: TB-7

Lab Sample ID: 180-205662-10

Date Collected: 05/19/26 00:00

Matrix: Water

Date Received: 05/21/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	25 mL	25 mL	830104	06/05/26 13:12	N7YK	ELLE
	Instrument ID: 16334									
Total/NA	Analysis	8260D		1	25 mL	25 mL	827683	06/02/26 13:59	N7YK	ELLE
	Instrument ID: 19930									

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Analyst References:

Lab: EET PIT

Batch Type: Prep

VJC = Vincent Cervone

Batch Type: Analysis

ELS = Edwin Shireman
LWM = Leslie McIntire
RAO = Rachel Oster
SNR = Sabra Richart
VVP = Vincent Piccolino

Lab: ELLE

Batch Type: Leach

ZL4A = Isac Moua

Batch Type: Prep

QT6L = Tesfaye Dabsu
RFN5 = Aniyah Oxendine
ZKHU = Ian Blake

Batch Type: Analysis

B6LN = Aslin Muniz
DI9Q = Jeremy Bolf
HR3Z = Nicholas Carson
I9IN = Miles Yiengst
IJ3I = Elizabeth Brittingham
KJQ8 = Emily Ranson
L4QM = Jacquelyn Schoener
N7YK = Eric Ressler
P684 = Ashlynn Cornelius
QT6L = Tesfaye Dabsu
ULCP = Linda Pape

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: FB-1

Date Collected: 05/19/26 08:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/02/26 14:21	1
1,1,2,2-Tetrachloroethane	ND	^c *+	0.50	0.10	ug/L			06/02/26 14:21	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/02/26 14:21	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/02/26 14:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 14:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/02/26 14:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/02/26 14:21	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/02/26 14:21	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 14:21	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/02/26 14:21	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/02/26 14:21	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 14:21	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 14:21	1
2-Butanone	ND		5.0	2.5	ug/L			06/02/26 14:21	1
2-Hexanone	ND		5.0	2.0	ug/L			06/02/26 14:21	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/02/26 14:21	1
Acetone	ND		5.0	1.5	ug/L			06/02/26 14:21	1
Benzene	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Bromoform	ND		1.0	0.30	ug/L			06/02/26 14:21	1
Bromomethane	ND	^c	0.50	0.10	ug/L			06/02/26 14:21	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/02/26 14:21	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/02/26 14:21	1
Chloroethane	ND	^c *+	0.50	0.10	ug/L			06/02/26 14:21	1
Chloroform	ND		0.50	0.090	ug/L			06/02/26 14:21	1
Chloromethane	ND		0.50	0.22	ug/L			06/02/26 14:21	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/02/26 14:21	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Cyclohexane	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/02/26 14:21	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Freon 113	ND		0.50	0.17	ug/L			06/02/26 14:21	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Methyl acetate	ND		1.0	0.20	ug/L			06/02/26 14:21	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Methylene Chloride	ND	*+	0.50	0.20	ug/L			06/02/26 14:21	1
Styrene	ND		0.50	0.070	ug/L			06/02/26 14:21	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/02/26 14:21	1
Toluene	ND		0.50	0.080	ug/L			06/02/26 14:21	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 14:21	1
trans-1,3-Dichloropropene	ND	^c *+	0.50	0.080	ug/L			06/02/26 14:21	1
Trichloroethene	ND		0.50	0.080	ug/L			06/02/26 14:21	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			06/02/26 14:21	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/02/26 14:21	1
Xylene (total)	ND		1.0	0.070	ug/L			06/02/26 14:21	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: FB-1

Date Collected: 05/19/26 08:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*06/02/26 14:21*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/02/26 14:21*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/02/26 14:21*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*06/02/26 14:21*	*1*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.14	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,2'-oxybis[1-chloropropane]	ND	*1	0.18	0.12	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4,5-Trichlorophenol	ND		0.96	0.24	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4,6-Trichlorophenol	ND		0.96	0.22	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4-Dichlorophenol	ND		0.18	0.049	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4-Dimethylphenol	ND		0.96	0.56	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4-Dinitrophenol	ND		9.6	3.1	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,4-Dinitrotoluene	ND		0.96	0.34	ug/L		05/22/26 01:33	05/27/26 18:44	1
2,6-Dinitrotoluene	ND		0.96	0.17	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Chloronaphthalene	ND	*1	0.18	0.057	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Chlorophenol	ND		0.96	0.22	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Methylnaphthalene	**0.063**	**J *1**	0.18	0.060	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Methylphenol	ND		0.96	0.54	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Nitroaniline	ND		4.8	0.53	ug/L		05/22/26 01:33	05/27/26 18:44	1
2-Nitrophenol	ND		0.96	0.19	ug/L		05/22/26 01:33	05/27/26 18:44	1
3,3'-Dichlorobenzidine	ND		0.96	0.56	ug/L		05/22/26 01:33	05/27/26 18:44	1
3-Nitroaniline	ND		4.8	0.42	ug/L		05/22/26 01:33	05/27/26 18:44	1
4,6-Dinitro-2-methylphenol	ND		4.8	1.4	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Bromophenyl phenyl ether	ND	*1	0.96	0.31	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Chloro-3-methylphenol	ND		0.96	0.42	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Chloroaniline	ND		0.96	0.36	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Chlorophenyl phenyl ether	ND		0.96	0.21	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Nitroaniline	ND	*1	4.8	0.35	ug/L		05/22/26 01:33	05/27/26 18:44	1
4-Nitrophenol	ND	^c	4.8	0.90	ug/L		05/22/26 01:33	05/27/26 18:44	1
Acenaphthene	**0.071**	**J *1**	0.18	0.063	ug/L		05/22/26 01:33	05/27/26 18:44	1
Acenaphthylene	ND		0.18	0.063	ug/L		05/22/26 01:33	05/27/26 18:44	1
Acetophenone	ND		0.96	0.15	ug/L		05/22/26 01:33	05/27/26 18:44	1
Anthracene	ND		0.18	0.047	ug/L		05/22/26 01:33	05/27/26 18:44	1
Atrazine	ND	*1	0.96	0.28	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzaldehyde	ND		0.96	0.52	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzo[a]anthracene	ND	*1	0.18	0.072	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzo[a]pyrene	ND		0.18	0.12	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzo[b]fluoranthene	ND		0.18	0.093	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzo[g,h,i]perylene	ND		0.18	0.066	ug/L		05/22/26 01:33	05/27/26 18:44	1
Benzo[k]fluoranthene	ND		0.18	0.085	ug/L		05/22/26 01:33	05/27/26 18:44	1
Bis(2-chloroethoxy)methane	ND	*1	0.96	0.15	ug/L		05/22/26 01:33	05/27/26 18:44	1
Bis(2-chloroethyl)ether	ND		0.18	0.13	ug/L		05/22/26 01:33	05/27/26 18:44	1
Bis(2-ethylhexyl) phthalate	ND		9.6	2.0	ug/L		05/22/26 01:33	05/27/26 18:44	1
Butyl benzyl phthalate	ND		1.9	0.90	ug/L		05/22/26 01:33	05/27/26 18:44	1
Caprolactam	ND		4.8	0.65	ug/L		05/22/26 01:33	05/27/26 18:44	1
Carbazole	ND	*1	0.18	0.049	ug/L		05/22/26 01:33	05/27/26 18:44	1
Chrysene	ND		0.18	0.078	ug/L		05/22/26 01:33	05/27/26 18:44	1
Dibenz(a,h)anthracene	ND		0.18	0.069	ug/L		05/22/26 01:33	05/27/26 18:44	1

Client Sample ID: FB-1
Date Collected: 05/19/26 08:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-1
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND	*1	0.96	0.18	ug/L		05/22/26 01:33	05/27/26 18:44	1
Diethyl phthalate	ND	*1	0.96	0.24	ug/L		05/22/26 01:33	05/27/26 18:44	1
Dimethyl phthalate	ND		1.9	0.19	ug/L		05/22/26 01:33	05/27/26 18:44	1
Di-n-butyl phthalate	ND	*1	0.96	0.36	ug/L		05/22/26 01:33	05/27/26 18:44	1
Di-n-octyl phthalate	ND		0.96	0.66	ug/L		05/22/26 01:33	05/27/26 18:44	1
Fluoranthene	ND	*1	0.18	0.058	ug/L		05/22/26 01:33	05/27/26 18:44	1
Fluorene	ND		0.18	0.066	ug/L		05/22/26 01:33	05/27/26 18:44	1
Hexachlorobenzene	ND	*1	0.18	0.054	ug/L		05/22/26 01:33	05/27/26 18:44	1
Hexachlorobutadiene	ND	*1	0.18	0.15	ug/L		05/22/26 01:33	05/27/26 18:44	1
Hexachlorocyclopentadiene	ND	*1	0.96	0.48	ug/L		05/22/26 01:33	05/27/26 18:44	1
Hexachloroethane	ND	*1	0.96	0.31	ug/L		05/22/26 01:33	05/27/26 18:44	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.082	ug/L		05/22/26 01:33	05/27/26 18:44	1
Isophorone	ND		0.96	0.18	ug/L		05/22/26 01:33	05/27/26 18:44	1
Methylphenol, 3 & 4	ND		0.96	0.36	ug/L		05/22/26 01:33	05/27/26 18:44	1
Naphthalene	**0.099**	**J *1**	0.18	0.057	ug/L		05/22/26 01:33	05/27/26 18:44	1
Nitrobenzene	ND		1.9	0.48	ug/L		05/22/26 01:33	05/27/26 18:44	1
N-Nitrosodi-n-propylamine	ND		0.18	0.068	ug/L		05/22/26 01:33	05/27/26 18:44	1
N-Nitrosodiphenylamine	ND		0.96	0.24	ug/L		05/22/26 01:33	05/27/26 18:44	1
Pentachlorophenol	ND		4.8	0.81	ug/L		05/22/26 01:33	05/27/26 18:44	1
Phenanthrene	ND		0.18	0.15	ug/L		05/22/26 01:33	05/27/26 18:44	1
Phenol	ND		0.96	0.47	ug/L		05/22/26 01:33	05/27/26 18:44	1
Pyrene	ND	*1	0.18	0.11	ug/L		05/22/26 01:33	05/27/26 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*23 - 128*	*05/22/26 01:33*	*05/27/26 18:44*	*1*
2-Fluorobiphenyl	*60*		*20 - 105*	*05/22/26 01:33*	*05/27/26 18:44*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 105*	*05/22/26 01:33*	*05/27/26 18:44*	*1*
Nitrobenzene-d5 (Surr)	*66*		*20 - 107*	*05/22/26 01:33*	*05/27/26 18:44*	*1*
Phenol-d5 (Surr)	*64*		*20 - 106*	*05/22/26 01:33*	*05/27/26 18:44*	*1*
Terphenyl-d14 (Surr)	*78*		*22 - 120*	*05/22/26 01:33*	*05/27/26 18:44*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 08:50	05/29/26 18:05	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 08:50	05/29/26 18:05	1
Arsenic	ND		2.0	0.68	ug/L		05/29/26 08:50	05/29/26 18:05	1
Barium	ND		2.0	0.75	ug/L		05/29/26 08:50	05/29/26 18:05	1
Beryllium	ND		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 18:05	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 08:50	05/29/26 18:05	1
Calcium	ND		120	50	ug/L		05/29/26 08:50	05/29/26 18:05	1
Chromium	ND		2.0	0.55	ug/L		05/29/26 08:50	05/29/26 18:05	1
Cobalt	ND		0.50	0.16	ug/L		05/29/26 08:50	05/29/26 18:05	1
Copper	ND		1.0	0.85	ug/L		05/29/26 08:50	05/29/26 18:05	1
Iron	ND		50	20	ug/L		05/29/26 08:50	05/29/26 18:05	1
Lead	ND		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 18:05	1
Magnesium	ND		50	16	ug/L		05/29/26 08:50	05/29/26 18:05	1
Manganese	ND		2.0	0.95	ug/L		05/29/26 08:50	05/29/26 18:05	1
Nickel	ND		1.0	0.40	ug/L		05/29/26 08:50	05/29/26 18:05	1
Potassium	ND		200	65	ug/L		05/29/26 08:50	05/29/26 18:05	1
Selenium	ND		1.0	0.28	ug/L		05/29/26 08:50	05/29/26 18:05	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: FB-1
Date Collected: 05/19/26 08:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.10	ug/L		05/29/26 08:50	05/29/26 18:05	1
Sodium	ND		200	90	ug/L		05/29/26 08:50	05/29/26 18:05	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 08:50	05/29/26 18:05	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 08:50	05/29/26 18:05	1
Zinc	ND		10	4.0	ug/L		05/29/26 08:50	05/29/26 18:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/28/26 17:01	05/28/26 22:02	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-27S
Date Collected: 05/19/26 08:20
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.80	ug/L			06/02/26 19:07	10
1,1,2,2-Tetrachloroethane	ND	^c *+	5.0	1.0	ug/L			06/02/26 19:07	10
1,1,2-Trichloroethane	ND		5.0	0.80	ug/L			06/02/26 19:07	10
1,1-Dichloroethane	ND		5.0	1.0	ug/L			06/02/26 19:07	10
1,1-Dichloroethene	ND		5.0	1.0	ug/L			06/02/26 19:07	10
1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L			06/02/26 19:07	10
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/L			06/02/26 19:07	10
1,2-Dibromoethane	ND		5.0	0.80	ug/L			06/02/26 19:07	10
1,2-Dichlorobenzene	ND		5.0	0.70	ug/L			06/02/26 19:07	10
1,2-Dichloroethane	ND		5.0	1.7	ug/L			06/02/26 19:07	10
1,2-Dichloropropane	ND		5.0	1.0	ug/L			06/02/26 19:07	10
1,3-Dichlorobenzene	ND		5.0	0.70	ug/L			06/02/26 19:07	10
1,4-Dichlorobenzene	ND		5.0	0.70	ug/L			06/02/26 19:07	10
2-Butanone	ND		50	25	ug/L			06/02/26 19:07	10
2-Hexanone	ND		50	20	ug/L			06/02/26 19:07	10
4-Methyl-2-pentanone	ND		50	10	ug/L			06/02/26 19:07	10
Acetone	ND		50	15	ug/L			06/02/26 19:07	10
Bromodichloromethane	ND		5.0	0.80	ug/L			06/02/26 19:07	10
Bromoform	ND		10	3.0	ug/L			06/02/26 19:07	10
Bromomethane	ND	^c	5.0	1.0	ug/L			06/02/26 19:07	10
Carbon disulfide	ND		10	1.0	ug/L			06/02/26 19:07	10
Carbon tetrachloride	ND		5.0	1.0	ug/L			06/02/26 19:07	10
Chlorobenzene	ND		5.0	0.70	ug/L			06/02/26 19:07	10
Chloroethane	ND	^c *+	5.0	1.0	ug/L			06/02/26 19:07	10
Chloroform	ND		5.0	0.90	ug/L			06/02/26 19:07	10
Chloromethane	ND		5.0	2.2	ug/L			06/02/26 19:07	10
cis-1,2-Dichloroethene	ND		5.0	0.80	ug/L			06/02/26 19:07	10
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/02/26 19:07	10
Cyclohexane	ND		5.0	1.0	ug/L			06/02/26 19:07	10
Dibromochloromethane	ND		5.0	0.80	ug/L			06/02/26 19:07	10
Dichlorodifluoromethane	ND		5.0	2.2	ug/L			06/02/26 19:07	10
Ethylbenzene	**13**		5.0	0.80	ug/L			06/02/26 19:07	10
Freon 113	ND		5.0	1.7	ug/L			06/02/26 19:07	10
Isopropylbenzene	ND		5.0	0.80	ug/L			06/02/26 19:07	10
Methyl acetate	ND		10	2.0	ug/L			06/02/26 19:07	10
Methyl tertiary butyl ether	ND		5.0	0.80	ug/L			06/02/26 19:07	10
Methylcyclohexane	ND		5.0	1.0	ug/L			06/02/26 19:07	10
Methylene Chloride	ND	*+	5.0	2.0	ug/L			06/02/26 19:07	10
Styrene	**14**		5.0	0.70	ug/L			06/02/26 19:07	10
Tetrachloroethene	ND		5.0	2.0	ug/L			06/02/26 19:07	10
Toluene	**150**		5.0	0.80	ug/L			06/02/26 19:07	10
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/L			06/02/26 19:07	10
trans-1,3-Dichloropropene	ND	^c *+	5.0	0.80	ug/L			06/02/26 19:07	10
Trichloroethene	ND		5.0	0.80	ug/L			06/02/26 19:07	10
Trichlorofluoromethane	ND	^c	5.0	1.0	ug/L			06/02/26 19:07	10
Vinyl chloride	ND		5.0	1.0	ug/L			06/02/26 19:07	10
Xylene (total)	**240**		10	0.70	ug/L			06/02/26 19:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/02/26 19:07*	*10*

Client Sample ID: MW-27S
Date Collected: 05/19/26 08:20
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*06/02/26 19:07*	*10*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/02/26 19:07*	*10*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/02/26 19:07*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1000**	**H**	50	10	ug/L			06/04/26 21:06	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*06/04/26 21:06*	*100*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*06/04/26 21:06*	*100*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/04/26 21:06*	*100*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/04/26 21:06*	*100*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**2.8**	**J**	10	1.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,2'-oxybis[1-chloropropane]	ND	*1	1.9	1.2	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4,5-Trichlorophenol	ND		10	2.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4,6-Trichlorophenol	ND		10	2.2	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4-Dichlorophenol	ND		1.9	0.51	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4-Dimethylphenol	**270**		10	5.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4-Dinitrophenol	ND		100	33	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,4-Dinitrotoluene	ND		10	3.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
2,6-Dinitrotoluene	ND		10	1.7	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Chloronaphthalene	ND	*1	1.9	0.59	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Chlorophenol	ND		10	2.3	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Methylnaphthalene	**27**	***1**	1.9	0.62	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Methylphenol	**230**		10	5.6	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Nitroaniline	ND		50	5.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
2-Nitrophenol	ND		10	1.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
3,3'-Dichlorobenzidine	ND		10	5.8	ug/L		05/22/26 01:33	05/28/26 10:54	10
3-Nitroaniline	ND		50	4.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
4,6-Dinitro-2-methylphenol	ND		50	15	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Bromophenyl phenyl ether	ND	*1	10	3.2	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Chloro-3-methylphenol	ND		10	4.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Chloroaniline	ND		10	3.8	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Chlorophenyl phenyl ether	ND		10	2.2	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Nitroaniline	ND	*1	50	3.6	ug/L		05/22/26 01:33	05/28/26 10:54	10
4-Nitrophenol	ND	^c	50	9.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
Acenaphthene	**2.4**	***1**	1.9	0.65	ug/L		05/22/26 01:33	05/28/26 10:54	10
Acenaphthylene	**28**		1.9	0.65	ug/L		05/22/26 01:33	05/28/26 10:54	10
Acetophenone	**6.0**	**J**	10	1.6	ug/L		05/22/26 01:33	05/28/26 10:54	10
Anthracene	**4.4**		1.9	0.49	ug/L		05/22/26 01:33	05/28/26 10:54	10
Atrazine	ND	*1	10	3.0	ug/L		05/22/26 01:33	05/28/26 10:54	10
Benzaldehyde	ND		10	5.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
Benzo[a]anthracene	ND	*1	1.9	0.75	ug/L		05/22/26 01:33	05/28/26 10:54	10
Benzo[a]pyrene	ND		1.9	1.3	ug/L		05/22/26 01:33	05/28/26 10:54	10
Benzo[b]fluoranthene	ND		1.9	0.97	ug/L		05/22/26 01:33	05/28/26 10:54	10
Benzo[g,h,i]perylene	ND		1.9	0.69	ug/L		05/22/26 01:33	05/28/26 10:54	10

Client Sample ID: MW-27S
Date Collected: 05/19/26 08:20
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-2
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		1.9	0.88	ug/L		05/22/26 01:33	05/28/26 10:54	10
Bis(2-chloroethoxy)methane	ND	*1	10	1.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
Bis(2-chloroethyl)ether	ND		1.9	1.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
Bis(2-ethylhexyl) phthalate	ND		100	21	ug/L		05/22/26 01:33	05/28/26 10:54	10
Butyl benzyl phthalate	ND		20	9.4	ug/L		05/22/26 01:33	05/28/26 10:54	10
Caprolactam	ND		50	6.8	ug/L		05/22/26 01:33	05/28/26 10:54	10
Carbazole	**62**	***1**	1.9	0.51	ug/L		05/22/26 01:33	05/28/26 10:54	10
Chrysene	ND		1.9	0.81	ug/L		05/22/26 01:33	05/28/26 10:54	10
Dibenz(a,h)anthracene	ND		1.9	0.72	ug/L		05/22/26 01:33	05/28/26 10:54	10
Dibenzofuran	**14**	***1**	10	1.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
Diethyl phthalate	ND	*1	10	2.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
Dimethyl phthalate	ND		20	2.0	ug/L		05/22/26 01:33	05/28/26 10:54	10
Di-n-butyl phthalate	ND	*1	10	3.8	ug/L		05/22/26 01:33	05/28/26 10:54	10
Di-n-octyl phthalate	ND		10	6.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
Fluoranthene	**4.3**	***1**	1.9	0.60	ug/L		05/22/26 01:33	05/28/26 10:54	10
Fluorene	**18**		1.9	0.69	ug/L		05/22/26 01:33	05/28/26 10:54	10
Hexachlorobenzene	ND	*1	1.9	0.56	ug/L		05/22/26 01:33	05/28/26 10:54	10
Hexachlorobutadiene	ND	*1	1.9	1.6	ug/L		05/22/26 01:33	05/28/26 10:54	10
Hexachlorocyclopentadiene	ND	*1	10	5.0	ug/L		05/22/26 01:33	05/28/26 10:54	10
Hexachloroethane	ND	*1	10	3.2	ug/L		05/22/26 01:33	05/28/26 10:54	10
Indeno[1,2,3-cd]pyrene	ND		1.9	0.85	ug/L		05/22/26 01:33	05/28/26 10:54	10
Isophorone	ND		10	1.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
Methylphenol, 3 & 4	**60**		10	3.7	ug/L		05/22/26 01:33	05/28/26 10:54	10
Naphthalene	**200**	***1**	1.9	0.59	ug/L		05/22/26 01:33	05/28/26 10:54	10
Nitrobenzene	ND		20	5.0	ug/L		05/22/26 01:33	05/28/26 10:54	10
N-Nitrosodi-n-propylamine	ND		1.9	0.71	ug/L		05/22/26 01:33	05/28/26 10:54	10
N-Nitrosodiphenylamine	ND		10	2.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
Pentachlorophenol	ND		50	8.5	ug/L		05/22/26 01:33	05/28/26 10:54	10
Phenanthrene	**14**		1.9	1.6	ug/L		05/22/26 01:33	05/28/26 10:54	10
Phenol	**22**		10	4.9	ug/L		05/22/26 01:33	05/28/26 10:54	10
Pyrene	**2.4**	***1**	1.9	1.1	ug/L		05/22/26 01:33	05/28/26 10:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*23 - 128*	*05/22/26 01:33*	*05/28/26 10:54*	*10*
2-Fluorobiphenyl	*47*		*20 - 105*	*05/22/26 01:33*	*05/28/26 10:54*	*10*
2-Fluorophenol (Surr)	*45*		*20 - 105*	*05/22/26 01:33*	*05/28/26 10:54*	*10*
Nitrobenzene-d5 (Surr)	*43*		*20 - 107*	*05/22/26 01:33*	*05/28/26 10:54*	*10*
Phenol-d5 (Surr)	*47*		*20 - 106*	*05/22/26 01:33*	*05/28/26 10:54*	*10*
Terphenyl-d14 (Surr)	*42*		*22 - 120*	*05/22/26 01:33*	*05/28/26 10:54*	*10*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.5**		3.00	1.20	mg/L			05/22/26 21:18	2
Sulfate	**1540**		150	50.0	mg/L			05/22/26 21:31	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2.43**	**H H3**	0.220	0.100	mg/L			05/22/26 21:18	2

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-27S

Date Collected: 05/19/26 08:20
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 262.728		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	4.1	H H3	0.85	0.05	NTU			05/21/26 12:06	1
Total Dissolved Solids (SM 2540C)	2700		20	20	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	400		5.0	5.0	mg/L			05/28/26 12:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.3	HF	0.1	0.1	SU			05/22/26 17:21	1
Specific Conductance (SM 2510B)	3100		1.0	1.0	umhos/cm			05/22/26 15:31	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-34S

Date Collected: 05/19/26 10:30
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			06/02/26 19:29	50
1,1,2,2-Tetrachloroethane	ND	^c *+	25	5.0	ug/L			06/02/26 19:29	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			06/02/26 19:29	50
1,1-Dichloroethane	ND		25	5.0	ug/L			06/02/26 19:29	50
1,1-Dichloroethene	ND		25	5.0	ug/L			06/02/26 19:29	50
1,2,4-Trichlorobenzene	ND		25	7.5	ug/L			06/02/26 19:29	50
1,2-Dibromo-3-Chloropropane	ND		25	13	ug/L			06/02/26 19:29	50
1,2-Dibromoethane	ND		25	4.0	ug/L			06/02/26 19:29	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:29	50
1,2-Dichloroethane	ND		25	8.5	ug/L			06/02/26 19:29	50
1,2-Dichloropropane	ND		25	5.0	ug/L			06/02/26 19:29	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:29	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:29	50
2-Butanone	ND		250	130	ug/L			06/02/26 19:29	50
2-Hexanone	ND		250	100	ug/L			06/02/26 19:29	50
4-Methyl-2-pentanone	ND		250	50	ug/L			06/02/26 19:29	50
Acetone	**330**		250	75	ug/L			06/02/26 19:29	50
Bromodichloromethane	ND		25	4.0	ug/L			06/02/26 19:29	50
Bromoform	ND		50	15	ug/L			06/02/26 19:29	50
Bromomethane	ND	^c	25	5.0	ug/L			06/02/26 19:29	50
Carbon disulfide	ND		50	5.0	ug/L			06/02/26 19:29	50
Carbon tetrachloride	ND		25	5.0	ug/L			06/02/26 19:29	50
Chlorobenzene	ND		25	3.5	ug/L			06/02/26 19:29	50
Chloroethane	ND	^c *+	25	5.0	ug/L			06/02/26 19:29	50
Chloroform	ND		25	4.5	ug/L			06/02/26 19:29	50
Chloromethane	ND		25	11	ug/L			06/02/26 19:29	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			06/02/26 19:29	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			06/02/26 19:29	50
Cyclohexane	ND		25	5.0	ug/L			06/02/26 19:29	50
Dibromochloromethane	ND		25	4.0	ug/L			06/02/26 19:29	50
Dichlorodifluoromethane	ND		25	11	ug/L			06/02/26 19:29	50
Ethylbenzene	**40**		25	4.0	ug/L			06/02/26 19:29	50
Freon 113	ND		25	8.5	ug/L			06/02/26 19:29	50
Isopropylbenzene	ND		25	4.0	ug/L			06/02/26 19:29	50
Methyl acetate	ND		50	10	ug/L			06/02/26 19:29	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			06/02/26 19:29	50
Methylcyclohexane	ND		25	5.0	ug/L			06/02/26 19:29	50
Methylene Chloride	ND	*+	25	10	ug/L			06/02/26 19:29	50
Styrene	ND		25	3.5	ug/L			06/02/26 19:29	50
Tetrachloroethene	ND		25	10	ug/L			06/02/26 19:29	50
Toluene	**56**		25	4.0	ug/L			06/02/26 19:29	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			06/02/26 19:29	50
trans-1,3-Dichloropropene	ND	^c *+	25	4.0	ug/L			06/02/26 19:29	50
Trichloroethene	ND		25	4.0	ug/L			06/02/26 19:29	50
Trichlorofluoromethane	ND	^c	25	5.0	ug/L			06/02/26 19:29	50
Vinyl chloride	ND		25	5.0	ug/L			06/02/26 19:29	50
Xylene (total)	**110**		50	3.5	ug/L			06/02/26 19:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/02/26 19:29*	*50*

Client Sample ID: MW-34S
Date Collected: 05/19/26 10:30
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/02/26 19:29*	*50*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/02/26 19:29*	*50*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/02/26 19:29*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1000**	**H**	250	50	ug/L			06/05/26 06:42	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/05/26 06:42*	*500*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*06/05/26 06:42*	*500*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/05/26 06:42*	*500*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/05/26 06:42*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**11**	**J**	48	6.8	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,2'-oxybis[1-chloropropane]	ND	*1	9.1	5.8	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4,5-Trichlorophenol	ND		48	12	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4,6-Trichlorophenol	ND		48	11	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4-Dichlorophenol	ND		9.1	2.5	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4-Dimethylphenol	ND		48	28	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4-Dinitrophenol	ND		480	160	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,4-Dinitrotoluene	ND		48	17	ug/L		05/22/26 01:33	05/28/26 11:15	50
2,6-Dinitrotoluene	ND		48	8.3	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Chloronaphthalene	ND	*1	9.1	2.8	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Chlorophenol	ND		48	11	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Methylnaphthalene	ND	*1	9.1	3.0	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Methylphenol	ND		48	27	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Nitroaniline	ND		240	26	ug/L		05/22/26 01:33	05/28/26 11:15	50
2-Nitrophenol	ND		48	9.3	ug/L		05/22/26 01:33	05/28/26 11:15	50
3,3'-Dichlorobenzidine	ND		48	28	ug/L		05/22/26 01:33	05/28/26 11:15	50
3-Nitroaniline	ND		240	21	ug/L		05/22/26 01:33	05/28/26 11:15	50
4,6-Dinitro-2-methylphenol	ND		240	71	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Bromophenyl phenyl ether	ND	*1	48	15	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Chloro-3-methylphenol	ND		48	21	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Chloroaniline	ND		48	18	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Chlorophenyl phenyl ether	ND		48	11	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Nitroaniline	ND	*1	240	17	ug/L		05/22/26 01:33	05/28/26 11:15	50
4-Nitrophenol	ND	^c	240	45	ug/L		05/22/26 01:33	05/28/26 11:15	50
Acenaphthene	**5.2**	**J *1**	9.1	3.1	ug/L		05/22/26 01:33	05/28/26 11:15	50
Acenaphthylene	**8.4**	**J**	9.1	3.1	ug/L		05/22/26 01:33	05/28/26 11:15	50
Acetophenone	ND		48	7.6	ug/L		05/22/26 01:33	05/28/26 11:15	50
Anthracene	ND		9.1	2.4	ug/L		05/22/26 01:33	05/28/26 11:15	50
Atrazine	ND	*1	48	14	ug/L		05/22/26 01:33	05/28/26 11:15	50
Benzaldehyde	ND		48	26	ug/L		05/22/26 01:33	05/28/26 11:15	50
Benzo[a]anthracene	ND	*1	9.1	3.6	ug/L		05/22/26 01:33	05/28/26 11:15	50
Benzo[a]pyrene	ND		9.1	6.2	ug/L		05/22/26 01:33	05/28/26 11:15	50
Benzo[b]fluoranthene	ND		9.1	4.7	ug/L		05/22/26 01:33	05/28/26 11:15	50
Benzo[g,h,i]perylene	ND		9.1	3.3	ug/L		05/22/26 01:33	05/28/26 11:15	50

Client Sample ID: MW-34S
Date Collected: 05/19/26 10:30
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-3
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		9.1	4.2	ug/L		05/22/26 01:33	05/28/26 11:15	50
Bis(2-chloroethoxy)methane	ND	*1	48	7.3	ug/L		05/22/26 01:33	05/28/26 11:15	50
Bis(2-chloroethyl)ether	ND		9.1	6.7	ug/L		05/22/26 01:33	05/28/26 11:15	50
Bis(2-ethylhexyl) phthalate	ND		480	100	ug/L		05/22/26 01:33	05/28/26 11:15	50
Butyl benzyl phthalate	ND		96	45	ug/L		05/22/26 01:33	05/28/26 11:15	50
Caprolactam	ND		240	33	ug/L		05/22/26 01:33	05/28/26 11:15	50
Carbazole	**48**	***1**	9.1	2.5	ug/L		05/22/26 01:33	05/28/26 11:15	50
Chrysene	ND		9.1	3.9	ug/L		05/22/26 01:33	05/28/26 11:15	50
Dibenz(a,h)anthracene	ND		9.1	3.5	ug/L		05/22/26 01:33	05/28/26 11:15	50
Dibenzofuran	**23**	**J *1**	48	9.1	ug/L		05/22/26 01:33	05/28/26 11:15	50
Diethyl phthalate	ND	*1	48	12	ug/L		05/22/26 01:33	05/28/26 11:15	50
Dimethyl phthalate	ND		96	9.6	ug/L		05/22/26 01:33	05/28/26 11:15	50
Di-n-butyl phthalate	ND	*1	48	18	ug/L		05/22/26 01:33	05/28/26 11:15	50
Di-n-octyl phthalate	ND		48	33	ug/L		05/22/26 01:33	05/28/26 11:15	50
Fluoranthene	ND	*1	9.1	2.9	ug/L		05/22/26 01:33	05/28/26 11:15	50
Fluorene	**15**		9.1	3.3	ug/L		05/22/26 01:33	05/28/26 11:15	50
Hexachlorobenzene	ND	*1	9.1	2.7	ug/L		05/22/26 01:33	05/28/26 11:15	50
Hexachlorobutadiene	ND	*1	9.1	7.5	ug/L		05/22/26 01:33	05/28/26 11:15	50
Hexachlorocyclopentadiene	ND	*1	48	24	ug/L		05/22/26 01:33	05/28/26 11:15	50
Hexachloroethane	ND	*1	48	15	ug/L		05/22/26 01:33	05/28/26 11:15	50
Indeno[1,2,3-cd]pyrene	ND		9.1	4.1	ug/L		05/22/26 01:33	05/28/26 11:15	50
Isophorone	ND		48	9.0	ug/L		05/22/26 01:33	05/28/26 11:15	50
Methylphenol, 3 & 4	ND		48	18	ug/L		05/22/26 01:33	05/28/26 11:15	50
Naphthalene	**1000**	***1**	9.1	2.8	ug/L		05/22/26 01:33	05/28/26 11:15	50
Nitrobenzene	ND		96	24	ug/L		05/22/26 01:33	05/28/26 11:15	50
N-Nitrosodi-n-propylamine	ND		9.1	3.4	ug/L		05/22/26 01:33	05/28/26 11:15	50
N-Nitrosodiphenylamine	ND		48	12	ug/L		05/22/26 01:33	05/28/26 11:15	50
Pentachlorophenol	ND		240	41	ug/L		05/22/26 01:33	05/28/26 11:15	50
Phenanthrene	**14**		9.1	7.5	ug/L		05/22/26 01:33	05/28/26 11:15	50
Phenol	ND		48	23	ug/L		05/22/26 01:33	05/28/26 11:15	50
Pyrene	ND	*1	9.1	5.3	ug/L		05/22/26 01:33	05/28/26 11:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 11:15*	*50*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:15*	*50*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:15*	*50*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 11:15*	*50*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 11:15*	*50*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 11:15*	*50*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.6**		30.0	12.0	mg/L			05/26/26 14:59	20
Sulfate	**483**		150	50.0	mg/L			05/22/26 23:39	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**1.89**	**H**	0.110	0.0500	mg/L			05/22/26 23:15	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-34S

Date Collected: 05/19/26 10:30
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 244.884		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	70	H	1.7	0.10	NTU			05/21/26 12:09	2
Total Dissolved Solids (SM 2540C)	1100		10	10	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	290		5.0	5.0	mg/L			05/28/26 12:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.5	HF	0.1	0.1	SU			05/22/26 17:26	1
Specific Conductance (SM 2510B)	1700		1.0	1.0	umhos/cm			05/22/26 15:35	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-34D
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	4.0	ug/L			06/02/26 19:51	50
1,1,2,2-Tetrachloroethane	ND	^c *+	25	5.0	ug/L			06/02/26 19:51	50
1,1,2-Trichloroethane	ND		25	4.0	ug/L			06/02/26 19:51	50
1,1-Dichloroethane	ND		25	5.0	ug/L			06/02/26 19:51	50
1,1-Dichloroethene	ND		25	5.0	ug/L			06/02/26 19:51	50
1,2,4-Trichlorobenzene	ND		25	7.5	ug/L			06/02/26 19:51	50
1,2-Dibromo-3-Chloropropane	ND		25	13	ug/L			06/02/26 19:51	50
1,2-Dibromoethane	ND		25	4.0	ug/L			06/02/26 19:51	50
1,2-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:51	50
1,2-Dichloroethane	ND		25	8.5	ug/L			06/02/26 19:51	50
1,2-Dichloropropane	ND		25	5.0	ug/L			06/02/26 19:51	50
1,3-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:51	50
1,4-Dichlorobenzene	ND		25	3.5	ug/L			06/02/26 19:51	50
2-Butanone	ND		250	130	ug/L			06/02/26 19:51	50
2-Hexanone	ND		250	100	ug/L			06/02/26 19:51	50
4-Methyl-2-pentanone	ND		250	50	ug/L			06/02/26 19:51	50
Acetone	ND		250	75	ug/L			06/02/26 19:51	50
Benzene	**1200**		25	5.0	ug/L			06/02/26 19:51	50
Bromodichloromethane	ND		25	4.0	ug/L			06/02/26 19:51	50
Bromoform	ND		50	15	ug/L			06/02/26 19:51	50
Bromomethane	ND	^c	25	5.0	ug/L			06/02/26 19:51	50
Carbon disulfide	ND		50	5.0	ug/L			06/02/26 19:51	50
Carbon tetrachloride	ND		25	5.0	ug/L			06/02/26 19:51	50
Chlorobenzene	ND		25	3.5	ug/L			06/02/26 19:51	50
Chloroethane	ND	^c *+	25	5.0	ug/L			06/02/26 19:51	50
Chloroform	ND		25	4.5	ug/L			06/02/26 19:51	50
Chloromethane	ND		25	11	ug/L			06/02/26 19:51	50
cis-1,2-Dichloroethene	ND		25	4.0	ug/L			06/02/26 19:51	50
cis-1,3-Dichloropropene	ND		25	5.0	ug/L			06/02/26 19:51	50
Cyclohexane	ND		25	5.0	ug/L			06/02/26 19:51	50
Dibromochloromethane	ND		25	4.0	ug/L			06/02/26 19:51	50
Dichlorodifluoromethane	ND		25	11	ug/L			06/02/26 19:51	50
Ethylbenzene	**52**		25	4.0	ug/L			06/02/26 19:51	50
Freon 113	ND		25	8.5	ug/L			06/02/26 19:51	50
Isopropylbenzene	ND		25	4.0	ug/L			06/02/26 19:51	50
Methyl acetate	ND		50	10	ug/L			06/02/26 19:51	50
Methyl tertiary butyl ether	ND		25	4.0	ug/L			06/02/26 19:51	50
Methylcyclohexane	ND		25	5.0	ug/L			06/02/26 19:51	50
Methylene Chloride	ND	*+	25	10	ug/L			06/02/26 19:51	50
Styrene	**29**		25	3.5	ug/L			06/02/26 19:51	50
Tetrachloroethene	ND		25	10	ug/L			06/02/26 19:51	50
Toluene	**170**		25	4.0	ug/L			06/02/26 19:51	50
trans-1,2-Dichloroethene	ND		25	5.0	ug/L			06/02/26 19:51	50
trans-1,3-Dichloropropene	ND	^c *+	25	4.0	ug/L			06/02/26 19:51	50
Trichloroethene	ND		25	4.0	ug/L			06/02/26 19:51	50
Trichlorofluoromethane	ND	^c	25	5.0	ug/L			06/02/26 19:51	50
Vinyl chloride	ND		25	5.0	ug/L			06/02/26 19:51	50
Xylene (total)	**300**		50	3.5	ug/L			06/02/26 19:51	50

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-34D

Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/02/26 19:51*	*50*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*06/02/26 19:51*	*50*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/02/26 19:51*	*50*
Toluene-d8 (Surr)	*114*		*80 - 120*		*06/02/26 19:51*	*50*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**28**	**J**	140	20	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,2'-oxybis[1-chloropropane]	ND	*1	27	17	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4,5-Trichlorophenol	ND		140	36	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4,6-Trichlorophenol	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4-Dichlorophenol	ND		27	7.4	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4-Dimethylphenol	ND		140	84	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4-Dinitrophenol	ND		1400	470	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,4-Dinitrotoluene	ND		140	51	ug/L		05/22/26 01:33	05/28/26 11:36	150
2,6-Dinitrotoluene	ND		140	25	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Chloronaphthalene	ND	*1	27	8.5	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Chlorophenol	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Methylnaphthalene	**140**	***1**	27	8.9	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Methylphenol	ND		140	80	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Nitroaniline	ND		720	79	ug/L		05/22/26 01:33	05/28/26 11:36	150
2-Nitrophenol	ND		140	28	ug/L		05/22/26 01:33	05/28/26 11:36	150
3,3'-Dichlorobenzidine	ND		140	84	ug/L		05/22/26 01:33	05/28/26 11:36	150
3-Nitroaniline	ND		720	63	ug/L		05/22/26 01:33	05/28/26 11:36	150
4,6-Dinitro-2-methylphenol	ND		720	210	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Bromophenyl phenyl ether	ND	*1	140	46	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Chloro-3-methylphenol	ND		140	63	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Chloroaniline	ND		140	54	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Chlorophenyl phenyl ether	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Nitroaniline	ND	*1	720	52	ug/L		05/22/26 01:33	05/28/26 11:36	150
4-Nitrophenol	ND	^c	720	140	ug/L		05/22/26 01:33	05/28/26 11:36	150
Acenaphthene	ND	*1	27	9.4	ug/L		05/22/26 01:33	05/28/26 11:36	150
Acenaphthylene	**68**		27	9.4	ug/L		05/22/26 01:33	05/28/26 11:36	150
Acetophenone	ND		140	23	ug/L		05/22/26 01:33	05/28/26 11:36	150
Anthracene	**9.9**	**J**	27	7.1	ug/L		05/22/26 01:33	05/28/26 11:36	150
Atrazine	ND	*1	140	43	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzaldehyde	ND		140	78	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzo[a]anthracene	ND	*1	27	11	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzo[a]pyrene	ND		27	18	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzo[b]fluoranthene	ND		27	14	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzo[g,h,i]perylene	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:36	150
Benzo[k]fluoranthene	ND		27	13	ug/L		05/22/26 01:33	05/28/26 11:36	150
Bis(2-chloroethoxy)methane	ND	*1	140	22	ug/L		05/22/26 01:33	05/28/26 11:36	150
Bis(2-chloroethyl)ether	ND		27	20	ug/L		05/22/26 01:33	05/28/26 11:36	150
Bis(2-ethylhexyl) phthalate	ND		1400	300	ug/L		05/22/26 01:33	05/28/26 11:36	150
Butyl benzyl phthalate	ND		290	140	ug/L		05/22/26 01:33	05/28/26 11:36	150
Caprolactam	ND		720	98	ug/L		05/22/26 01:33	05/28/26 11:36	150
Carbazole	**130**	***1**	27	7.4	ug/L		05/22/26 01:33	05/28/26 11:36	150
Chrysene	ND		27	12	ug/L		05/22/26 01:33	05/28/26 11:36	150
Dibenz(a,h)anthracene	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:36	150

Client Sample ID: MW-34D
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-4
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	**61**	**J *1**	140	27	ug/L		05/22/26 01:33	05/28/26 11:36	150
Diethyl phthalate	ND	*1	140	36	ug/L		05/22/26 01:33	05/28/26 11:36	150
Dimethyl phthalate	ND		290	29	ug/L		05/22/26 01:33	05/28/26 11:36	150
Di-n-butyl phthalate	ND	*1	140	54	ug/L		05/22/26 01:33	05/28/26 11:36	150
Di-n-octyl phthalate	ND		140	99	ug/L		05/22/26 01:33	05/28/26 11:36	150
Fluoranthene	ND	*1	27	8.7	ug/L		05/22/26 01:33	05/28/26 11:36	150
Fluorene	**58**		27	10	ug/L		05/22/26 01:33	05/28/26 11:36	150
Hexachlorobenzene	ND	*1	27	8.1	ug/L		05/22/26 01:33	05/28/26 11:36	150
Hexachlorobutadiene	ND	*1	27	22	ug/L		05/22/26 01:33	05/28/26 11:36	150
Hexachlorocyclopentadiene	ND	*1	140	72	ug/L		05/22/26 01:33	05/28/26 11:36	150
Hexachloroethane	ND	*1	140	46	ug/L		05/22/26 01:33	05/28/26 11:36	150
Indeno[1,2,3-cd]pyrene	ND		27	12	ug/L		05/22/26 01:33	05/28/26 11:36	150
Isophorone	ND		140	27	ug/L		05/22/26 01:33	05/28/26 11:36	150
Methylphenol, 3 & 4	ND		140	54	ug/L		05/22/26 01:33	05/28/26 11:36	150
Naphthalene	**3700**	***1**	27	8.5	ug/L		05/22/26 01:33	05/28/26 11:36	150
Nitrobenzene	ND		290	72	ug/L		05/22/26 01:33	05/28/26 11:36	150
N-Nitrosodi-n-propylamine	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:36	150
N-Nitrosodiphenylamine	ND		140	36	ug/L		05/22/26 01:33	05/28/26 11:36	150
Pentachlorophenol	ND		720	120	ug/L		05/22/26 01:33	05/28/26 11:36	150
Phenanthrene	**62**		27	23	ug/L		05/22/26 01:33	05/28/26 11:36	150
Phenol	ND		140	70	ug/L		05/22/26 01:33	05/28/26 11:36	150
Pyrene	ND	*1	27	16	ug/L		05/22/26 01:33	05/28/26 11:36	150

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 11:36*	*150*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:36*	*150*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:36*	*150*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 11:36*	*150*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 11:36*	*150*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 11:36*	*150*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.2**		75.0	30.0	mg/L			05/23/26 01:55	50
Sulfate	**462**		75.0	25.0	mg/L			05/23/26 01:55	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.252**	**J H**	0.550	0.250	mg/L			05/23/26 01:44	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 250.512**		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	**34**		0.85	0.05	NTU			05/21/26 12:11	1
Total Dissolved Solids (SM 2540C)	**1100**		10	10	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**270**		5.0	5.0	mg/L			05/28/26 12:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.7**	**HF**	0.1	0.1	SU			05/22/26 17:52	1
Specific Conductance (SM 2510B)	**1700**		1.0	1.0	umhos/cm			05/22/26 15:36	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: WW-1

Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	16	ug/L			06/02/26 20:13	200
1,1,2,2-Tetrachloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:13	200
1,1,2-Trichloroethane	ND		100	16	ug/L			06/02/26 20:13	200
1,1-Dichloroethane	ND		100	20	ug/L			06/02/26 20:13	200
1,1-Dichloroethene	ND		100	20	ug/L			06/02/26 20:13	200
1,2,4-Trichlorobenzene	ND		100	30	ug/L			06/02/26 20:13	200
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/L			06/02/26 20:13	200
1,2-Dibromoethane	ND		100	16	ug/L			06/02/26 20:13	200
1,2-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
1,2-Dichloroethane	ND		100	34	ug/L			06/02/26 20:13	200
1,2-Dichloropropane	ND		100	20	ug/L			06/02/26 20:13	200
1,3-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
1,4-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
2-Butanone	ND		1000	500	ug/L			06/02/26 20:13	200
2-Hexanone	ND		1000	400	ug/L			06/02/26 20:13	200
4-Methyl-2-pentanone	ND		1000	200	ug/L			06/02/26 20:13	200
Acetone	ND		1000	300	ug/L			06/02/26 20:13	200
Benzene	**4500**		100	20	ug/L			06/02/26 20:13	200
Bromodichloromethane	ND		100	16	ug/L			06/02/26 20:13	200
Bromoform	ND		200	60	ug/L			06/02/26 20:13	200
Bromomethane	ND	^c	100	20	ug/L			06/02/26 20:13	200
Carbon disulfide	ND		200	20	ug/L			06/02/26 20:13	200
Carbon tetrachloride	ND		100	20	ug/L			06/02/26 20:13	200
Chlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
Chloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:13	200
Chloroform	ND		100	18	ug/L			06/02/26 20:13	200
Chloromethane	ND		100	44	ug/L			06/02/26 20:13	200
cis-1,2-Dichloroethene	ND		100	16	ug/L			06/02/26 20:13	200
cis-1,3-Dichloropropene	ND		100	20	ug/L			06/02/26 20:13	200
Cyclohexane	ND		100	20	ug/L			06/02/26 20:13	200
Dibromochloromethane	ND		100	16	ug/L			06/02/26 20:13	200
Dichlorodifluoromethane	ND		100	44	ug/L			06/02/26 20:13	200
Ethylbenzene	ND		100	16	ug/L			06/02/26 20:13	200
Freon 113	ND		100	34	ug/L			06/02/26 20:13	200
Isopropylbenzene	ND		100	16	ug/L			06/02/26 20:13	200
Methyl acetate	ND		200	40	ug/L			06/02/26 20:13	200
Methyl tertiary butyl ether	ND		100	16	ug/L			06/02/26 20:13	200
Methylcyclohexane	ND		100	20	ug/L			06/02/26 20:13	200
Methylene Chloride	ND	*+	100	40	ug/L			06/02/26 20:13	200
Styrene	ND		100	14	ug/L			06/02/26 20:13	200
Tetrachloroethene	ND		100	40	ug/L			06/02/26 20:13	200
Toluene	**390**		100	16	ug/L			06/02/26 20:13	200
trans-1,2-Dichloroethene	ND		100	20	ug/L			06/02/26 20:13	200
trans-1,3-Dichloropropene	ND	^c *+	100	16	ug/L			06/02/26 20:13	200
Trichloroethene	ND		100	16	ug/L			06/02/26 20:13	200
Trichlorofluoromethane	ND	^c	100	20	ug/L			06/02/26 20:13	200
Vinyl chloride	ND		100	20	ug/L			06/02/26 20:13	200
Xylene (total)	**180**	**J**	200	14	ug/L			06/02/26 20:13	200

Client Sample ID: WW-1
Lab Sample ID: 180-205662-5
Date Collected: 05/19/26 15:00
Matrix: Water
Date Received: 05/21/26 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*06/02/26 20:13*	*200*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*06/02/26 20:13*	*200*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/02/26 20:13*	*200*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/02/26 20:13*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.8**		0.020	0.0060	mg/L			06/05/26 12:07	20
Carbon tetrachloride	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Chlorobenzene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Chloroform	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
1,1-Dichloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
1,2-Dichloroethane	**0.078**		0.020	0.0060	mg/L			06/05/26 12:07	20
2-Butanone	**0.016**	**J**	0.20	0.010	mg/L			06/05/26 12:07	20
Tetrachloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Trichloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Vinyl chloride	ND		0.020	0.0060	mg/L			06/05/26 12:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/05/26 12:07*	*20*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/05/26 12:07*	*20*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/05/26 12:07*	*20*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/05/26 12:07*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.6**	***1**	0.91	0.31	ug/L		05/22/26 01:33	05/28/26 09:50	5
Acenaphthylene	**1.6**		0.91	0.31	ug/L		05/22/26 01:33	05/28/26 09:50	5
Anthracene	**0.64**	**J**	0.91	0.24	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[a]anthracene	ND	*1	0.91	0.36	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[a]pyrene	ND		0.91	0.62	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[b]fluoranthene	ND		0.91	0.47	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[g,h,i]perylene	ND		0.91	0.33	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[k]fluoranthene	ND		0.91	0.42	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-chloroethyl)ether	ND		0.91	0.67	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-chloroethoxy)methane	ND	*1	4.8	0.73	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,2'-oxybis[1-chloropropane]	ND	*1	0.91	0.58	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-ethylhexyl) phthalate	ND		48	10	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Bromophenyl phenyl ether	ND	*1	4.8	1.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Butyl benzyl phthalate	ND		9.6	4.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chloroaniline	ND		4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Chloronaphthalene	ND	*1	0.91	0.28	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chlorophenyl phenyl ether	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
Chrysene	ND		0.91	0.39	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dibenz(a,h)anthracene	ND		0.91	0.35	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dibenzofuran	**2.4**	**J *1**	4.8	0.91	ug/L		05/22/26 01:33	05/28/26 09:50	5
Di-n-butyl phthalate	ND	*1	4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
3,3'-Dichlorobenzidine	ND		4.8	2.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
Diethyl phthalate	ND	*1	4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dimethyl phthalate	ND		9.6	0.96	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dinitrotoluene	ND		4.8	1.7	ug/L		05/22/26 01:33	05/28/26 09:50	5

Client Sample ID: WW-1
Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		4.8	0.83	ug/L		05/22/26 01:33	05/28/26 09:50	5
Di-n-octyl phthalate	ND		4.8	3.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
Fluoranthene	**0.76**	**J *1**	0.91	0.29	ug/L		05/22/26 01:33	05/28/26 09:50	5
Fluorene	**2.8**		0.91	0.33	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorobenzene	ND	*1	0.91	0.27	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorobutadiene	ND	*1	0.91	0.75	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorocyclopentadiene	ND	*1	4.8	2.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachloroethane	ND	*1	4.8	1.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Indeno[1,2,3-cd]pyrene	ND		0.91	0.41	ug/L		05/22/26 01:33	05/28/26 09:50	5
Isophorone	ND		4.8	0.90	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Methylnaphthalene	**1.2**	***1**	0.91	0.30	ug/L		05/22/26 01:33	05/28/26 09:50	5
Naphthalene	**4.6**	***1**	0.91	0.28	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Nitroaniline	ND		24	2.6	ug/L		05/22/26 01:33	05/28/26 09:50	5
3-Nitroaniline	ND		24	2.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Nitroaniline	ND	*1	24	1.7	ug/L		05/22/26 01:33	05/28/26 09:50	5
Nitrobenzene	ND		9.6	2.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
N-Nitrosodi-n-propylamine	ND		0.91	0.34	ug/L		05/22/26 01:33	05/28/26 09:50	5
N-Nitrosodiphenylamine	ND		4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
Phenanthrene	**0.82**	**J**	0.91	0.75	ug/L		05/22/26 01:33	05/28/26 09:50	5
Pyrene	ND	*1	0.91	0.53	ug/L		05/22/26 01:33	05/28/26 09:50	5
Carbazole	**13**	***1**	0.91	0.25	ug/L		05/22/26 01:33	05/28/26 09:50	5
Acetophenone	**18**		4.8	0.76	ug/L		05/22/26 01:33	05/28/26 09:50	5
Atrazine	ND	*1	4.8	1.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzaldehyde	ND		4.8	2.6	ug/L		05/22/26 01:33	05/28/26 09:50	5
1,1'-Biphenyl	**0.88**	**J**	4.8	0.68	ug/L		05/22/26 01:33	05/28/26 09:50	5
Caprolactam	ND		24	3.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chloro-3-methylphenol	ND		4.8	2.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Chlorophenol	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Methylphenol	**85**		4.8	2.7	ug/L		05/22/26 01:33	05/28/26 09:50	5
Methylphenol, 3 & 4	**30**		4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dichlorophenol	ND		0.91	0.25	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dimethylphenol	**63**		4.8	2.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dinitrophenol	ND		48	16	ug/L		05/22/26 01:33	05/28/26 09:50	5
4,6-Dinitro-2-methylphenol	ND		24	7.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Nitrophenol	ND		4.8	0.93	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Nitrophenol	ND	^c	24	4.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Pentachlorophenol	ND		24	4.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
Phenol	**57**		4.8	2.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4,5-Trichlorophenol	ND		4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4,6-Trichlorophenol	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*20 - 105*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
2-Fluorophenol (Surr)	*43*		*20 - 105*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
2,4,6-Tribromophenol (Surr)	*62*		*23 - 128*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Nitrobenzene-d5 (Surr)	*45*		*20 - 107*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Phenol-d5 (Surr)	*47*		*20 - 106*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Terphenyl-d14 (Surr)	*51*		*22 - 120*	*05/22/26 01:33*	*05/28/26 09:50*	*5*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: WW-1

Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		2.0	0.68	ug/L		05/29/26 08:50	05/29/26 19:54	1
Barium	**200**		2.0	0.75	ug/L		05/29/26 08:50	05/29/26 19:54	1
Cadmium	**0.16**	**J**	0.50	0.15	ug/L		05/29/26 08:50	05/29/26 19:54	1
Chromium	**6.8**		2.0	0.55	ug/L		05/29/26 08:50	05/29/26 19:54	1
Lead	**6.9**		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 19:54	1
Selenium	**12**		1.0	0.28	ug/L		05/29/26 08:50	05/29/26 19:54	1
Silver	ND		0.50	0.10	ug/L		05/29/26 08:50	05/29/26 19:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/28/26 17:01	05/28/26 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010B)	**>200**		50	50	Degrees F			06/06/26 12:00	1
Cyanide, Reactive (SW846 9012)	ND	F2	87	19	mg/Kg		06/04/26 22:42	06/05/26 15:09	1
Sulfide, Reactive (SW846 9034)	**100**	**J**	150	52	mg/Kg		06/04/26 22:42	06/05/26 01:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.3**	**HF**	0.1	0.1	SU			05/28/26 13:57	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36S
Date Collected: 05/19/26 09:10
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	16	ug/L			06/02/26 20:35	200
1,1,2,2-Tetrachloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:35	200
1,1,2-Trichloroethane	ND		100	16	ug/L			06/02/26 20:35	200
1,1-Dichloroethane	ND		100	20	ug/L			06/02/26 20:35	200
1,1-Dichloroethene	ND		100	20	ug/L			06/02/26 20:35	200
1,2,4-Trichlorobenzene	ND		100	30	ug/L			06/02/26 20:35	200
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/L			06/02/26 20:35	200
1,2-Dibromoethane	ND		100	16	ug/L			06/02/26 20:35	200
1,2-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:35	200
1,2-Dichloroethane	ND		100	34	ug/L			06/02/26 20:35	200
1,2-Dichloropropane	ND		100	20	ug/L			06/02/26 20:35	200
1,3-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:35	200
1,4-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:35	200
2-Butanone	ND		1000	500	ug/L			06/02/26 20:35	200
2-Hexanone	ND		1000	400	ug/L			06/02/26 20:35	200
4-Methyl-2-pentanone	ND		1000	200	ug/L			06/02/26 20:35	200
Acetone	ND		1000	300	ug/L			06/02/26 20:35	200
Bromodichloromethane	ND		100	16	ug/L			06/02/26 20:35	200
Bromoform	ND		200	60	ug/L			06/02/26 20:35	200
Bromomethane	ND	^c	100	20	ug/L			06/02/26 20:35	200
Carbon disulfide	ND		200	20	ug/L			06/02/26 20:35	200
Carbon tetrachloride	ND		100	20	ug/L			06/02/26 20:35	200
Chlorobenzene	ND		100	14	ug/L			06/02/26 20:35	200
Chloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:35	200
Chloroform	ND		100	18	ug/L			06/02/26 20:35	200
Chloromethane	ND		100	44	ug/L			06/02/26 20:35	200
cis-1,2-Dichloroethene	ND		100	16	ug/L			06/02/26 20:35	200
cis-1,3-Dichloropropene	ND		100	20	ug/L			06/02/26 20:35	200
Cyclohexane	ND		100	20	ug/L			06/02/26 20:35	200
Dibromochloromethane	ND		100	16	ug/L			06/02/26 20:35	200
Dichlorodifluoromethane	ND		100	44	ug/L			06/02/26 20:35	200
Ethylbenzene	**93**	**J**	100	16	ug/L			06/02/26 20:35	200
Freon 113	ND		100	34	ug/L			06/02/26 20:35	200
Isopropylbenzene	**17**	**J**	100	16	ug/L			06/02/26 20:35	200
Methyl acetate	ND		200	40	ug/L			06/02/26 20:35	200
Methyl tertiary butyl ether	ND		100	16	ug/L			06/02/26 20:35	200
Methylcyclohexane	ND		100	20	ug/L			06/02/26 20:35	200
Methylene Chloride	ND	*+	100	40	ug/L			06/02/26 20:35	200
Styrene	**160**		100	14	ug/L			06/02/26 20:35	200
Tetrachloroethene	ND		100	40	ug/L			06/02/26 20:35	200
Toluene	**1300**		100	16	ug/L			06/02/26 20:35	200
trans-1,2-Dichloroethene	ND		100	20	ug/L			06/02/26 20:35	200
trans-1,3-Dichloropropene	ND	^c *+	100	16	ug/L			06/02/26 20:35	200
Trichloroethene	ND		100	16	ug/L			06/02/26 20:35	200
Trichlorofluoromethane	ND	^c	100	20	ug/L			06/02/26 20:35	200
Vinyl chloride	ND		100	20	ug/L			06/02/26 20:35	200
Xylene (total)	**1900**		200	14	ug/L			06/02/26 20:35	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*06/02/26 20:35*	*200*

Client Sample ID: MW-36S
Date Collected: 05/19/26 09:10
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/02/26 20:35*	*200*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/02/26 20:35*	*200*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/02/26 20:35*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5000**	**H**	500	100	ug/L			06/05/26 07:04	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/05/26 07:04*	*1000*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*06/05/26 07:04*	*1000*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/05/26 07:04*	*1000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/05/26 07:04*	*1000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**23**	**J**	140	20	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,2'-oxybis[1-chloropropane]	ND	*1	27	17	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4,5-Trichlorophenol	ND		140	36	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4,6-Trichlorophenol	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4-Dichlorophenol	ND		27	7.4	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4-Dimethylphenol	ND		140	84	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4-Dinitrophenol	ND		1400	470	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,4-Dinitrotoluene	ND		140	51	ug/L		05/22/26 01:33	05/28/26 11:58	150
2,6-Dinitrotoluene	ND		140	25	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Chloronaphthalene	ND	*1	27	8.5	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Chlorophenol	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Methylnaphthalene	**290**	***1**	27	8.9	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Methylphenol	**230**		140	80	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Nitroaniline	ND		720	79	ug/L		05/22/26 01:33	05/28/26 11:58	150
2-Nitrophenol	ND		140	28	ug/L		05/22/26 01:33	05/28/26 11:58	150
3,3'-Dichlorobenzidine	ND		140	84	ug/L		05/22/26 01:33	05/28/26 11:58	150
3-Nitroaniline	ND		720	63	ug/L		05/22/26 01:33	05/28/26 11:58	150
4,6-Dinitro-2-methylphenol	ND		720	210	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Bromophenyl phenyl ether	ND	*1	140	46	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Chloro-3-methylphenol	ND		140	63	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Chloroaniline	ND		140	54	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Chlorophenyl phenyl ether	ND		140	32	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Nitroaniline	ND	*1	720	52	ug/L		05/22/26 01:33	05/28/26 11:58	150
4-Nitrophenol	ND	^c	720	140	ug/L		05/22/26 01:33	05/28/26 11:58	150
Acenaphthene	ND	*1	27	9.4	ug/L		05/22/26 01:33	05/28/26 11:58	150
Acenaphthylene	**130**		27	9.4	ug/L		05/22/26 01:33	05/28/26 11:58	150
Acetophenone	ND		140	23	ug/L		05/22/26 01:33	05/28/26 11:58	150
Anthracene	ND		27	7.1	ug/L		05/22/26 01:33	05/28/26 11:58	150
Atrazine	ND	*1	140	43	ug/L		05/22/26 01:33	05/28/26 11:58	150
Benzaldehyde	ND		140	78	ug/L		05/22/26 01:33	05/28/26 11:58	150
Benzo[a]anthracene	ND	*1	27	11	ug/L		05/22/26 01:33	05/28/26 11:58	150
Benzo[a]pyrene	ND		27	18	ug/L		05/22/26 01:33	05/28/26 11:58	150
Benzo[b]fluoranthene	ND		27	14	ug/L		05/22/26 01:33	05/28/26 11:58	150
Benzo[g,h,i]perylene	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:58	150

Client Sample ID: MW-36S
Date Collected: 05/19/26 09:10
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-6
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		27	13	ug/L		05/22/26 01:33	05/28/26 11:58	150
Bis(2-chloroethoxy)methane	ND	*1	140	22	ug/L		05/22/26 01:33	05/28/26 11:58	150
Bis(2-chloroethyl)ether	ND		27	20	ug/L		05/22/26 01:33	05/28/26 11:58	150
Bis(2-ethylhexyl) phthalate	ND		1400	300	ug/L		05/22/26 01:33	05/28/26 11:58	150
Butyl benzyl phthalate	ND		290	140	ug/L		05/22/26 01:33	05/28/26 11:58	150
Caprolactam	ND		720	98	ug/L		05/22/26 01:33	05/28/26 11:58	150
Carbazole	**160**	***1**	27	7.4	ug/L		05/22/26 01:33	05/28/26 11:58	150
Chrysene	ND		27	12	ug/L		05/22/26 01:33	05/28/26 11:58	150
Dibenz(a,h)anthracene	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:58	150
Dibenzofuran	**46**	**J *1**	140	27	ug/L		05/22/26 01:33	05/28/26 11:58	150
Diethyl phthalate	ND	*1	140	36	ug/L		05/22/26 01:33	05/28/26 11:58	150
Dimethyl phthalate	ND		290	29	ug/L		05/22/26 01:33	05/28/26 11:58	150
Di-n-butyl phthalate	ND	*1	140	54	ug/L		05/22/26 01:33	05/28/26 11:58	150
Di-n-octyl phthalate	ND		140	99	ug/L		05/22/26 01:33	05/28/26 11:58	150
Fluoranthene	ND	*1	27	8.7	ug/L		05/22/26 01:33	05/28/26 11:58	150
Fluorene	**45**		27	10	ug/L		05/22/26 01:33	05/28/26 11:58	150
Hexachlorobenzene	ND	*1	27	8.1	ug/L		05/22/26 01:33	05/28/26 11:58	150
Hexachlorobutadiene	ND	*1	27	22	ug/L		05/22/26 01:33	05/28/26 11:58	150
Hexachlorocyclopentadiene	ND	*1	140	72	ug/L		05/22/26 01:33	05/28/26 11:58	150
Hexachloroethane	ND	*1	140	46	ug/L		05/22/26 01:33	05/28/26 11:58	150
Indeno[1,2,3-cd]pyrene	ND		27	12	ug/L		05/22/26 01:33	05/28/26 11:58	150
Isophorone	ND		140	27	ug/L		05/22/26 01:33	05/28/26 11:58	150
Methylphenol, 3 & 4	**100**	**J**	140	54	ug/L		05/22/26 01:33	05/28/26 11:58	150
Naphthalene	**4300**	***1**	27	8.5	ug/L		05/22/26 01:33	05/28/26 11:58	150
Nitrobenzene	ND		290	72	ug/L		05/22/26 01:33	05/28/26 11:58	150
N-Nitrosodi-n-propylamine	ND		27	10	ug/L		05/22/26 01:33	05/28/26 11:58	150
N-Nitrosodiphenylamine	ND		140	36	ug/L		05/22/26 01:33	05/28/26 11:58	150
Pentachlorophenol	ND		720	120	ug/L		05/22/26 01:33	05/28/26 11:58	150
Phenanthrene	**41**		27	23	ug/L		05/22/26 01:33	05/28/26 11:58	150
Phenol	ND		140	70	ug/L		05/22/26 01:33	05/28/26 11:58	150
Pyrene	ND	*1	27	16	ug/L		05/22/26 01:33	05/28/26 11:58	150

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 11:58*	*150*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:58*	*150*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 11:58*	*150*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 11:58*	*150*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 11:58*	*150*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 11:58*	*150*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.3**		7.50	3.00	mg/L			05/26/26 14:36	5
Sulfate	**1050**		150	50.0	mg/L			05/26/26 14:47	100

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**7.60**	**H H3 FH**	1.10	0.500	mg/L			05/22/26 18:12	10

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36S

Date Collected: 05/19/26 09:10
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-6

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 364.032		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	50	H H3	1.7	0.10	NTU			05/21/26 12:08	2
Total Dissolved Solids (SM 2540C)	2000		20	20	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	410		5.0	5.0	mg/L			05/28/26 12:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.2	HF	0.1	0.1	SU			05/22/26 17:57	1
Specific Conductance (SM 2510B)	2500		1.0	1.0	umhos/cm			05/22/26 15:37	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36D

Date Collected: 05/19/26 10:55
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	16	ug/L			06/02/26 20:57	200
1,1,2,2-Tetrachloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:57	200
1,1,2-Trichloroethane	ND		100	16	ug/L			06/02/26 20:57	200
1,1-Dichloroethane	ND		100	20	ug/L			06/02/26 20:57	200
1,1-Dichloroethene	ND		100	20	ug/L			06/02/26 20:57	200
1,2,4-Trichlorobenzene	ND		100	30	ug/L			06/02/26 20:57	200
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/L			06/02/26 20:57	200
1,2-Dibromoethane	ND		100	16	ug/L			06/02/26 20:57	200
1,2-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:57	200
1,2-Dichloroethane	ND		100	34	ug/L			06/02/26 20:57	200
1,2-Dichloropropane	ND		100	20	ug/L			06/02/26 20:57	200
1,3-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:57	200
1,4-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:57	200
2-Butanone	ND		1000	500	ug/L			06/02/26 20:57	200
2-Hexanone	ND		1000	400	ug/L			06/02/26 20:57	200
4-Methyl-2-pentanone	ND		1000	200	ug/L			06/02/26 20:57	200
Acetone	ND		1000	300	ug/L			06/02/26 20:57	200
Bromodichloromethane	ND		100	16	ug/L			06/02/26 20:57	200
Bromoform	ND		200	60	ug/L			06/02/26 20:57	200
Bromomethane	ND	^c	100	20	ug/L			06/02/26 20:57	200
Carbon disulfide	ND		200	20	ug/L			06/02/26 20:57	200
Carbon tetrachloride	ND		100	20	ug/L			06/02/26 20:57	200
Chlorobenzene	ND		100	14	ug/L			06/02/26 20:57	200
Chloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:57	200
Chloroform	ND		100	18	ug/L			06/02/26 20:57	200
Chloromethane	ND		100	44	ug/L			06/02/26 20:57	200
cis-1,2-Dichloroethene	ND		100	16	ug/L			06/02/26 20:57	200
cis-1,3-Dichloropropene	ND		100	20	ug/L			06/02/26 20:57	200
Cyclohexane	ND		100	20	ug/L			06/02/26 20:57	200
Dibromochloromethane	ND		100	16	ug/L			06/02/26 20:57	200
Dichlorodifluoromethane	ND		100	44	ug/L			06/02/26 20:57	200
Ethylbenzene	**120**		100	16	ug/L			06/02/26 20:57	200
Freon 113	ND		100	34	ug/L			06/02/26 20:57	200
Isopropylbenzene	ND		100	16	ug/L			06/02/26 20:57	200
Methyl acetate	ND		200	40	ug/L			06/02/26 20:57	200
Methyl tertiary butyl ether	ND		100	16	ug/L			06/02/26 20:57	200
Methylcyclohexane	ND		100	20	ug/L			06/02/26 20:57	200
Methylene Chloride	ND	*+	100	40	ug/L			06/02/26 20:57	200
Styrene	ND		100	14	ug/L			06/02/26 20:57	200
Tetrachloroethene	ND		100	40	ug/L			06/02/26 20:57	200
Toluene	**1500**		100	16	ug/L			06/02/26 20:57	200
trans-1,2-Dichloroethene	ND		100	20	ug/L			06/02/26 20:57	200
trans-1,3-Dichloropropene	ND	^c *+	100	16	ug/L			06/02/26 20:57	200
Trichloroethene	ND		100	16	ug/L			06/02/26 20:57	200
Trichlorofluoromethane	ND	^c	100	20	ug/L			06/02/26 20:57	200
Vinyl chloride	ND		100	20	ug/L			06/02/26 20:57	200
Xylene (total)	**2600**		200	14	ug/L			06/02/26 20:57	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*06/02/26 20:57*	*200*

Client Sample ID: MW-36D
Date Collected: 05/19/26 10:55
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*06/02/26 20:57*	*200*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/02/26 20:57*	*200*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/02/26 20:57*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5900**	**H**	500	100	ug/L			06/05/26 07:26	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/05/26 07:26*	*1000*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*06/05/26 07:26*	*1000*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/05/26 07:26*	*1000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/05/26 07:26*	*1000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**35**	**J**	190	27	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,2'-oxybis[1-chloropropane]	ND	*1	37	23	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4,5-Trichlorophenol	ND		190	48	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4,6-Trichlorophenol	ND		190	43	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4-Dichlorophenol	ND		37	9.8	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4-Dimethylphenol	ND		190	110	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4-Dinitrophenol	ND		1900	630	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,4-Dinitrotoluene	ND		190	68	ug/L		05/22/26 01:33	05/28/26 12:19	200
2,6-Dinitrotoluene	ND		190	33	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Chloronaphthalene	ND	*1	37	11	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Chlorophenol	ND		190	43	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Methylnaphthalene	**410**	***1**	37	12	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Methylphenol	ND		190	110	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Nitroaniline	ND		960	110	ug/L		05/22/26 01:33	05/28/26 12:19	200
2-Nitrophenol	ND		190	37	ug/L		05/22/26 01:33	05/28/26 12:19	200
3,3'-Dichlorobenzidine	ND		190	110	ug/L		05/22/26 01:33	05/28/26 12:19	200
3-Nitroaniline	ND		960	84	ug/L		05/22/26 01:33	05/28/26 12:19	200
4,6-Dinitro-2-methylphenol	ND		960	280	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Bromophenyl phenyl ether	ND	*1	190	61	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Chloro-3-methylphenol	ND		190	84	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Chloroaniline	ND		190	72	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Chlorophenyl phenyl ether	ND		190	43	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Nitroaniline	ND	*1	960	70	ug/L		05/22/26 01:33	05/28/26 12:19	200
4-Nitrophenol	ND	^c	960	180	ug/L		05/22/26 01:33	05/28/26 12:19	200
Acenaphthene	ND	*1	37	13	ug/L		05/22/26 01:33	05/28/26 12:19	200
Acenaphthylene	**170**		37	13	ug/L		05/22/26 01:33	05/28/26 12:19	200
Acetophenone	ND		190	31	ug/L		05/22/26 01:33	05/28/26 12:19	200
Anthracene	**11**	**J**	37	9.4	ug/L		05/22/26 01:33	05/28/26 12:19	200
Atrazine	ND	*1	190	57	ug/L		05/22/26 01:33	05/28/26 12:19	200
Benzaldehyde	ND		190	100	ug/L		05/22/26 01:33	05/28/26 12:19	200
Benzo[a]anthracene	ND	*1	37	14	ug/L		05/22/26 01:33	05/28/26 12:19	200
Benzo[a]pyrene	ND		37	25	ug/L		05/22/26 01:33	05/28/26 12:19	200
Benzo[b]fluoranthene	ND		37	19	ug/L		05/22/26 01:33	05/28/26 12:19	200
Benzo[g,h,i]perylene	ND		37	13	ug/L		05/22/26 01:33	05/28/26 12:19	200

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36D
Date Collected: 05/19/26 10:55
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-7
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		37	17	ug/L		05/22/26 01:33	05/28/26 12:19	200
Bis(2-chloroethoxy)methane	ND	*1	190	29	ug/L		05/22/26 01:33	05/28/26 12:19	200
Bis(2-chloroethyl)ether	ND		37	27	ug/L		05/22/26 01:33	05/28/26 12:19	200
Bis(2-ethylhexyl) phthalate	ND		1900	400	ug/L		05/22/26 01:33	05/28/26 12:19	200
Butyl benzyl phthalate	ND		380	180	ug/L		05/22/26 01:33	05/28/26 12:19	200
Caprolactam	ND		960	130	ug/L		05/22/26 01:33	05/28/26 12:19	200
Carbazole	**230**	***1**	37	9.8	ug/L		05/22/26 01:33	05/28/26 12:19	200
Chrysene	ND		37	16	ug/L		05/22/26 01:33	05/28/26 12:19	200
Dibenz(a,h)anthracene	ND		37	14	ug/L		05/22/26 01:33	05/28/26 12:19	200
Dibenzofuran	**70**	**J *1**	190	37	ug/L		05/22/26 01:33	05/28/26 12:19	200
Diethyl phthalate	ND	*1	190	48	ug/L		05/22/26 01:33	05/28/26 12:19	200
Dimethyl phthalate	ND		380	38	ug/L		05/22/26 01:33	05/28/26 12:19	200
Di-n-butyl phthalate	ND	*1	190	73	ug/L		05/22/26 01:33	05/28/26 12:19	200
Di-n-octyl phthalate	ND		190	130	ug/L		05/22/26 01:33	05/28/26 12:19	200
Fluoranthene	**16**	**J *1**	37	12	ug/L		05/22/26 01:33	05/28/26 12:19	200
Fluorene	**67**		37	13	ug/L		05/22/26 01:33	05/28/26 12:19	200
Hexachlorobenzene	ND	*1	37	11	ug/L		05/22/26 01:33	05/28/26 12:19	200
Hexachlorobutadiene	ND	*1	37	30	ug/L		05/22/26 01:33	05/28/26 12:19	200
Hexachlorocyclopentadiene	ND	*1	190	96	ug/L		05/22/26 01:33	05/28/26 12:19	200
Hexachloroethane	ND	*1	190	61	ug/L		05/22/26 01:33	05/28/26 12:19	200
Indeno[1,2,3-cd]pyrene	ND		37	16	ug/L		05/22/26 01:33	05/28/26 12:19	200
Isophorone	ND		190	36	ug/L		05/22/26 01:33	05/28/26 12:19	200
Methylphenol, 3 & 4	ND		190	72	ug/L		05/22/26 01:33	05/28/26 12:19	200
Naphthalene	**5700**	***1**	37	11	ug/L		05/22/26 01:33	05/28/26 12:19	200
Nitrobenzene	ND		380	96	ug/L		05/22/26 01:33	05/28/26 12:19	200
N-Nitrosodi-n-propylamine	ND		37	14	ug/L		05/22/26 01:33	05/28/26 12:19	200
N-Nitrosodiphenylamine	ND		190	48	ug/L		05/22/26 01:33	05/28/26 12:19	200
Pentachlorophenol	ND		960	160	ug/L		05/22/26 01:33	05/28/26 12:19	200
Phenanthrene	**73**		37	30	ug/L		05/22/26 01:33	05/28/26 12:19	200
Phenol	ND		190	94	ug/L		05/22/26 01:33	05/28/26 12:19	200
Pyrene	ND	*1	37	21	ug/L		05/22/26 01:33	05/28/26 12:19	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 12:19*	*200*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 12:19*	*200*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 12:19*	*200*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 12:19*	*200*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 12:19*	*200*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 12:19*	*200*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.0**		7.50	3.00	mg/L			05/26/26 15:10	5
Sulfate	**1200**		75.0	25.0	mg/L			05/22/26 22:33	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**7.50**	**H**	1.10	0.500	mg/L			05/22/26 22:20	10

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-36D

Date Collected: 05/19/26 10:55
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-7

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 146.64		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	20	H	0.85	0.05	NTU			05/21/26 12:10	1
Total Dissolved Solids (SM 2540C)	2100		20	20	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	330		5.0	5.0	mg/L			05/28/26 12:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.4	HF	0.1	0.1	SU			05/22/26 18:03	1
Specific Conductance (SM 2510B)	2500		1.0	1.0	umhos/cm			05/22/26 15:38	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10S
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			06/02/26 21:19	500
1,1,2,2-Tetrachloroethane	ND	^c *+	250	50	ug/L			06/02/26 21:19	500
1,1,2-Trichloroethane	ND		250	40	ug/L			06/02/26 21:19	500
1,1-Dichloroethane	ND		250	50	ug/L			06/02/26 21:19	500
1,1-Dichloroethene	ND		250	50	ug/L			06/02/26 21:19	500
1,2,4-Trichlorobenzene	ND		250	75	ug/L			06/02/26 21:19	500
1,2-Dibromo-3-Chloropropane	ND		250	130	ug/L			06/02/26 21:19	500
1,2-Dibromoethane	ND		250	40	ug/L			06/02/26 21:19	500
1,2-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:19	500
1,2-Dichloroethane	ND		250	85	ug/L			06/02/26 21:19	500
1,2-Dichloropropane	ND		250	50	ug/L			06/02/26 21:19	500
1,3-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:19	500
1,4-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:19	500
2-Butanone	ND		2500	1300	ug/L			06/02/26 21:19	500
2-Hexanone	ND		2500	1000	ug/L			06/02/26 21:19	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			06/02/26 21:19	500
Acetone	ND		2500	750	ug/L			06/02/26 21:19	500
Benzene	**10000**		250	50	ug/L			06/02/26 21:19	500
Bromodichloromethane	ND		250	40	ug/L			06/02/26 21:19	500
Bromoform	ND		500	150	ug/L			06/02/26 21:19	500
Bromomethane	ND	^c	250	50	ug/L			06/02/26 21:19	500
Carbon disulfide	ND		500	50	ug/L			06/02/26 21:19	500
Carbon tetrachloride	ND		250	50	ug/L			06/02/26 21:19	500
Chlorobenzene	ND		250	35	ug/L			06/02/26 21:19	500
Chloroethane	ND	^c *+	250	50	ug/L			06/02/26 21:19	500
Chloroform	ND		250	45	ug/L			06/02/26 21:19	500
Chloromethane	ND		250	110	ug/L			06/02/26 21:19	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			06/02/26 21:19	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			06/02/26 21:19	500
Cyclohexane	ND		250	50	ug/L			06/02/26 21:19	500
Dibromochloromethane	ND		250	40	ug/L			06/02/26 21:19	500
Dichlorodifluoromethane	ND		250	110	ug/L			06/02/26 21:19	500
Ethylbenzene	**130**	**J**	250	40	ug/L			06/02/26 21:19	500
Freon 113	ND		250	85	ug/L			06/02/26 21:19	500
Isopropylbenzene	ND		250	40	ug/L			06/02/26 21:19	500
Methyl acetate	ND		500	100	ug/L			06/02/26 21:19	500
Methyl tertiary butyl ether	ND		250	40	ug/L			06/02/26 21:19	500
Methylcyclohexane	ND		250	50	ug/L			06/02/26 21:19	500
Methylene Chloride	ND	*+	250	100	ug/L			06/02/26 21:19	500
Styrene	ND		250	35	ug/L			06/02/26 21:19	500
Tetrachloroethene	ND		250	100	ug/L			06/02/26 21:19	500
Toluene	**1400**		250	40	ug/L			06/02/26 21:19	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			06/02/26 21:19	500
trans-1,3-Dichloropropene	ND	^c *+	250	40	ug/L			06/02/26 21:19	500
Trichloroethene	ND		250	40	ug/L			06/02/26 21:19	500
Trichlorofluoromethane	ND	^c	250	50	ug/L			06/02/26 21:19	500
Vinyl chloride	ND		250	50	ug/L			06/02/26 21:19	500
Xylene (total)	**820**		500	35	ug/L			06/02/26 21:19	500

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10S

Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-8

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/02/26 21:19*	*500*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*80 - 120*		*06/02/26 21:19*	*500*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/02/26 21:19*	*500*
Toluene-d8 (Surr)	*114*		*80 - 120*		*06/02/26 21:19*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	250	40	ug/L			06/05/26 18:00	500
1,1,2,2-Tetrachloroethane	ND	H	250	50	ug/L			06/05/26 18:00	500
1,1,2-Trichloroethane	ND	H	250	40	ug/L			06/05/26 18:00	500
1,1-Dichloroethane	ND	H	250	50	ug/L			06/05/26 18:00	500
1,1-Dichloroethene	ND	H	250	50	ug/L			06/05/26 18:00	500
1,2,4-Trichlorobenzene	ND	H	250	75	ug/L			06/05/26 18:00	500
1,2-Dibromo-3-Chloropropane	ND	H	250	130	ug/L			06/05/26 18:00	500
1,2-Dibromoethane	ND	H	250	40	ug/L			06/05/26 18:00	500
1,2-Dichlorobenzene	ND	H	250	35	ug/L			06/05/26 18:00	500
1,2-Dichloroethane	ND	H	250	85	ug/L			06/05/26 18:00	500
1,2-Dichloropropane	ND	H	250	50	ug/L			06/05/26 18:00	500
1,3-Dichlorobenzene	ND	H	250	35	ug/L			06/05/26 18:00	500
1,4-Dichlorobenzene	ND	H	250	35	ug/L			06/05/26 18:00	500
2-Butanone	ND	H	2500	1300	ug/L			06/05/26 18:00	500
2-Hexanone	ND	H	2500	1000	ug/L			06/05/26 18:00	500
4-Methyl-2-pentanone	ND	H	2500	500	ug/L			06/05/26 18:00	500
Acetone	**3000**	**H**	2500	750	ug/L			06/05/26 18:00	500
Benzene	**11000**	**H**	250	50	ug/L			06/05/26 18:00	500
Bromodichloromethane	ND	H	250	40	ug/L			06/05/26 18:00	500
Bromoform	ND	H ^c	500	150	ug/L			06/05/26 18:00	500
Bromomethane	ND	H	250	50	ug/L			06/05/26 18:00	500
Carbon disulfide	ND	H	500	50	ug/L			06/05/26 18:00	500
Carbon tetrachloride	ND	H	250	50	ug/L			06/05/26 18:00	500
Chlorobenzene	ND	H	250	35	ug/L			06/05/26 18:00	500
Chloroethane	ND	H	250	50	ug/L			06/05/26 18:00	500
Chloroform	ND	H	250	45	ug/L			06/05/26 18:00	500
Chloromethane	ND	H	250	110	ug/L			06/05/26 18:00	500
cis-1,2-Dichloroethene	ND	H	250	40	ug/L			06/05/26 18:00	500
cis-1,3-Dichloropropene	ND	H	250	50	ug/L			06/05/26 18:00	500
Cyclohexane	ND	H	250	50	ug/L			06/05/26 18:00	500
Dibromochloromethane	ND	H	250	40	ug/L			06/05/26 18:00	500
Dichlorodifluoromethane	ND	H	250	110	ug/L			06/05/26 18:00	500
Ethylbenzene	**160**	**J H**	250	40	ug/L			06/05/26 18:00	500
Freon 113	ND	H	250	85	ug/L			06/05/26 18:00	500
Isopropylbenzene	ND	H	250	40	ug/L			06/05/26 18:00	500
Methyl acetate	ND	H	500	100	ug/L			06/05/26 18:00	500
Methyl tertiary butyl ether	ND	H	250	40	ug/L			06/05/26 18:00	500
Methylcyclohexane	ND	H	250	50	ug/L			06/05/26 18:00	500
Methylene Chloride	ND	H	250	100	ug/L			06/05/26 18:00	500
Styrene	ND	H	250	35	ug/L			06/05/26 18:00	500
Tetrachloroethene	ND	H	250	100	ug/L			06/05/26 18:00	500
Toluene	**1400**	**H**	250	40	ug/L			06/05/26 18:00	500
trans-1,2-Dichloroethene	ND	H	250	50	ug/L			06/05/26 18:00	500

Client Sample ID: MW-10S
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	H	250	40	ug/L			06/05/26 18:00	500
Trichloroethene	ND	H	250	40	ug/L			06/05/26 18:00	500
Trichlorofluoromethane	ND	H	250	50	ug/L			06/05/26 18:00	500
Vinyl chloride	ND	H	250	50	ug/L			06/05/26 18:00	500
Xylene (total)	**1000**	**H**	500	35	ug/L			06/05/26 18:00	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*80 - 120*		*06/05/26 18:00*	*500*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/05/26 18:00*	*500*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/05/26 18:00*	*500*
Toluene-d8 (Surr)	*109*		*80 - 120*		*06/05/26 18:00*	*500*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		200	28	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,2'-oxybis[1-chloropropane]	ND	*1	38	24	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4,5-Trichlorophenol	ND		200	50	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4,6-Trichlorophenol	ND		200	45	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4-Dichlorophenol	ND		38	10	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4-Dimethylphenol	**890**		200	120	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4-Dinitrophenol	ND		2000	650	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,4-Dinitrotoluene	ND		200	71	ug/L		05/22/26 01:33	05/28/26 12:40	200
2,6-Dinitrotoluene	ND		200	35	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Chloronaphthalene	ND	*1	38	12	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Chlorophenol	ND		200	45	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Methylnaphthalene	**130**	***1**	38	12	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Methylphenol	**1500**		200	110	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Nitroaniline	ND		1000	110	ug/L		05/22/26 01:33	05/28/26 12:40	200
2-Nitrophenol	ND		200	39	ug/L		05/22/26 01:33	05/28/26 12:40	200
3,3'-Dichlorobenzidine	ND		200	120	ug/L		05/22/26 01:33	05/28/26 12:40	200
3-Nitroaniline	ND		1000	87	ug/L		05/22/26 01:33	05/28/26 12:40	200
4,6-Dinitro-2-methylphenol	ND		1000	290	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Bromophenyl phenyl ether	ND	*1	200	64	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Chloro-3-methylphenol	ND		200	87	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Chloroaniline	ND		200	75	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Chlorophenyl phenyl ether	ND		200	44	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Nitroaniline	ND	*1	1000	73	ug/L		05/22/26 01:33	05/28/26 12:40	200
4-Nitrophenol	ND	^c	1000	190	ug/L		05/22/26 01:33	05/28/26 12:40	200
Acenaphthene	ND	*1	38	13	ug/L		05/22/26 01:33	05/28/26 12:40	200
Acenaphthylene	ND		38	13	ug/L		05/22/26 01:33	05/28/26 12:40	200
Acetophenone	ND		200	32	ug/L		05/22/26 01:33	05/28/26 12:40	200
Anthracene	ND		38	9.8	ug/L		05/22/26 01:33	05/28/26 12:40	200
Atrazine	ND	*1	200	59	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzaldehyde	ND		200	110	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzo[a]anthracene	ND	*1	38	15	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzo[a]pyrene	ND		38	26	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzo[b]fluoranthene	ND		38	19	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzo[g,h,i]perylene	ND		38	14	ug/L		05/22/26 01:33	05/28/26 12:40	200
Benzo[k]fluoranthene	ND		38	18	ug/L		05/22/26 01:33	05/28/26 12:40	200
Bis(2-chloroethoxy)methane	ND	*1	200	30	ug/L		05/22/26 01:33	05/28/26 12:40	200

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10S
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-8
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		38	28	ug/L		05/22/26 01:33	05/28/26 12:40	200
Bis(2-ethylhexyl) phthalate	ND		2000	420	ug/L		05/22/26 01:33	05/28/26 12:40	200
Butyl benzyl phthalate	ND		400	190	ug/L		05/22/26 01:33	05/28/26 12:40	200
Caprolactam	ND		1000	140	ug/L		05/22/26 01:33	05/28/26 12:40	200
Carbazole	**150**	***1**	38	10	ug/L		05/22/26 01:33	05/28/26 12:40	200
Chrysene	ND		38	16	ug/L		05/22/26 01:33	05/28/26 12:40	200
Dibenz(a,h)anthracene	ND		38	14	ug/L		05/22/26 01:33	05/28/26 12:40	200
Dibenzofuran	ND	*1	200	38	ug/L		05/22/26 01:33	05/28/26 12:40	200
Diethyl phthalate	ND	*1	200	50	ug/L		05/22/26 01:33	05/28/26 12:40	200
Dimethyl phthalate	ND		400	40	ug/L		05/22/26 01:33	05/28/26 12:40	200
Di-n-butyl phthalate	ND	*1	200	75	ug/L		05/22/26 01:33	05/28/26 12:40	200
Di-n-octyl phthalate	ND		200	140	ug/L		05/22/26 01:33	05/28/26 12:40	200
Fluoranthene	ND	*1	38	12	ug/L		05/22/26 01:33	05/28/26 12:40	200
Fluorene	**30**	**J**	38	14	ug/L		05/22/26 01:33	05/28/26 12:40	200
Hexachlorobenzene	ND	*1	38	11	ug/L		05/22/26 01:33	05/28/26 12:40	200
Hexachlorobutadiene	ND	*1	38	31	ug/L		05/22/26 01:33	05/28/26 12:40	200
Hexachlorocyclopentadiene	ND	*1	200	99	ug/L		05/22/26 01:33	05/28/26 12:40	200
Hexachloroethane	ND	*1	200	64	ug/L		05/22/26 01:33	05/28/26 12:40	200
Indeno[1,2,3-cd]pyrene	ND		38	17	ug/L		05/22/26 01:33	05/28/26 12:40	200
Isophorone	ND		200	38	ug/L		05/22/26 01:33	05/28/26 12:40	200
Methylphenol, 3 & 4	**330**		200	74	ug/L		05/22/26 01:33	05/28/26 12:40	200
Naphthalene	**5200**	***1**	38	12	ug/L		05/22/26 01:33	05/28/26 12:40	200
Nitrobenzene	ND		400	100	ug/L		05/22/26 01:33	05/28/26 12:40	200
N-Nitrosodi-n-propylamine	ND		38	14	ug/L		05/22/26 01:33	05/28/26 12:40	200
N-Nitrosodiphenylamine	ND		200	50	ug/L		05/22/26 01:33	05/28/26 12:40	200
Pentachlorophenol	ND		1000	170	ug/L		05/22/26 01:33	05/28/26 12:40	200
Phenanthrene	**35**	**J**	38	31	ug/L		05/22/26 01:33	05/28/26 12:40	200
Phenol	**130**	**J**	200	97	ug/L		05/22/26 01:33	05/28/26 12:40	200
Pyrene	ND	*1	38	22	ug/L		05/22/26 01:33	05/28/26 12:40	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 12:40*	*200*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 12:40*	*200*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 12:40*	*200*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 12:40*	*200*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 12:40*	*200*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 12:40*	*200*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.5**	**J**	75.0	30.0	mg/L			05/23/26 02:41	50
Sulfate	**791**		75.0	25.0	mg/L			05/23/26 02:41	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.550	0.250	mg/L			05/23/26 02:30	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	**- 224.136**		30	24	mg/L			05/27/26 11:07	2

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10S
Date Collected: 05/19/26 12:50
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-8
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (EPA 180.1)	380		8.5	0.50	NTU			05/21/26 12:10	10
Total Dissolved Solids (SM 2540C)	1500		20	20	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	360		5.0	5.0	mg/L			05/28/26 12:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.8	HF	0.1	0.1	SU			05/22/26 18:08	1
Specific Conductance (SM 2510B)	2400		1.0	1.0	umhos/cm			05/22/26 15:40	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10D
Date Collected: 05/19/26 15:15
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	40	ug/L			06/02/26 21:41	500
1,1,2,2-Tetrachloroethane	ND	^c *+	250	50	ug/L			06/02/26 21:41	500
1,1,2-Trichloroethane	ND		250	40	ug/L			06/02/26 21:41	500
1,1-Dichloroethane	ND		250	50	ug/L			06/02/26 21:41	500
1,1-Dichloroethene	ND		250	50	ug/L			06/02/26 21:41	500
1,2,4-Trichlorobenzene	ND		250	75	ug/L			06/02/26 21:41	500
1,2-Dibromo-3-Chloropropane	ND		250	130	ug/L			06/02/26 21:41	500
1,2-Dibromoethane	ND		250	40	ug/L			06/02/26 21:41	500
1,2-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:41	500
1,2-Dichloroethane	ND		250	85	ug/L			06/02/26 21:41	500
1,2-Dichloropropane	ND		250	50	ug/L			06/02/26 21:41	500
1,3-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:41	500
1,4-Dichlorobenzene	ND		250	35	ug/L			06/02/26 21:41	500
2-Butanone	ND		2500	1300	ug/L			06/02/26 21:41	500
2-Hexanone	ND		2500	1000	ug/L			06/02/26 21:41	500
4-Methyl-2-pentanone	ND		2500	500	ug/L			06/02/26 21:41	500
Acetone	ND		2500	750	ug/L			06/02/26 21:41	500
Bromodichloromethane	ND		250	40	ug/L			06/02/26 21:41	500
Bromoform	ND		500	150	ug/L			06/02/26 21:41	500
Bromomethane	ND	^c	250	50	ug/L			06/02/26 21:41	500
Carbon disulfide	ND		500	50	ug/L			06/02/26 21:41	500
Carbon tetrachloride	ND		250	50	ug/L			06/02/26 21:41	500
Chlorobenzene	ND		250	35	ug/L			06/02/26 21:41	500
Chloroethane	ND	^c *+	250	50	ug/L			06/02/26 21:41	500
Chloroform	ND		250	45	ug/L			06/02/26 21:41	500
Chloromethane	ND		250	110	ug/L			06/02/26 21:41	500
cis-1,2-Dichloroethene	ND		250	40	ug/L			06/02/26 21:41	500
cis-1,3-Dichloropropene	ND		250	50	ug/L			06/02/26 21:41	500
Cyclohexane	ND		250	50	ug/L			06/02/26 21:41	500
Dibromochloromethane	ND		250	40	ug/L			06/02/26 21:41	500
Dichlorodifluoromethane	ND		250	110	ug/L			06/02/26 21:41	500
Ethylbenzene	**150**	**J**	250	40	ug/L			06/02/26 21:41	500
Freon 113	ND		250	85	ug/L			06/02/26 21:41	500
Isopropylbenzene	ND		250	40	ug/L			06/02/26 21:41	500
Methyl acetate	ND		500	100	ug/L			06/02/26 21:41	500
Methyl tertiary butyl ether	ND		250	40	ug/L			06/02/26 21:41	500
Methylcyclohexane	ND		250	50	ug/L			06/02/26 21:41	500
Methylene Chloride	ND	*+	250	100	ug/L			06/02/26 21:41	500
Styrene	ND		250	35	ug/L			06/02/26 21:41	500
Tetrachloroethene	ND		250	100	ug/L			06/02/26 21:41	500
Toluene	**1800**		250	40	ug/L			06/02/26 21:41	500
trans-1,2-Dichloroethene	ND		250	50	ug/L			06/02/26 21:41	500
trans-1,3-Dichloropropene	ND	^c *+	250	40	ug/L			06/02/26 21:41	500
Trichloroethene	ND		250	40	ug/L			06/02/26 21:41	500
Trichlorofluoromethane	ND	^c	250	50	ug/L			06/02/26 21:41	500
Vinyl chloride	ND		250	50	ug/L			06/02/26 21:41	500
Xylene (total)	**980**		500	35	ug/L			06/02/26 21:41	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*06/02/26 21:41*	*500*

Client Sample ID: MW-10D
Date Collected: 05/19/26 15:15
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/02/26 21:41*	*500*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/02/26 21:41*	*500*
Toluene-d8 (Surr)	*116*		*80 - 120*		*06/02/26 21:41*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12000**	**H**	1000	200	ug/L			06/05/26 07:48	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/05/26 07:48*	*2000*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*06/05/26 07:48*	*2000*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/05/26 07:48*	*2000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/05/26 07:48*	*2000*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		96	14	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,2'-oxybis[1-chloropropane]	ND	*1	18	12	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4,5-Trichlorophenol	ND		96	24	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4,6-Trichlorophenol	ND		96	22	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4-Dichlorophenol	ND		18	4.9	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4-Dimethylphenol	**230**		96	56	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4-Dinitrophenol	ND		960	310	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,4-Dinitrotoluene	ND		96	34	ug/L		05/22/26 01:33	05/28/26 13:02	100
2,6-Dinitrotoluene	ND		96	17	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Chloronaphthalene	ND	*1	18	5.7	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Chlorophenol	ND		96	22	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Methylnaphthalene	**55**	***1**	18	6.0	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Methylphenol	**390**		96	54	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Nitroaniline	ND		480	53	ug/L		05/22/26 01:33	05/28/26 13:02	100
2-Nitrophenol	ND		96	19	ug/L		05/22/26 01:33	05/28/26 13:02	100
3,3'-Dichlorobenzidine	ND		96	56	ug/L		05/22/26 01:33	05/28/26 13:02	100
3-Nitroaniline	ND		480	42	ug/L		05/22/26 01:33	05/28/26 13:02	100
4,6-Dinitro-2-methylphenol	ND		480	140	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Bromophenyl phenyl ether	ND	*1	96	31	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Chloro-3-methylphenol	ND		96	42	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Chloroaniline	ND		96	36	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Chlorophenyl phenyl ether	ND		96	21	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Nitroaniline	ND	*1	480	35	ug/L		05/22/26 01:33	05/28/26 13:02	100
4-Nitrophenol	ND	^c	480	90	ug/L		05/22/26 01:33	05/28/26 13:02	100
Acenaphthene	ND	*1	18	6.3	ug/L		05/22/26 01:33	05/28/26 13:02	100
Acenaphthylene	ND		18	6.3	ug/L		05/22/26 01:33	05/28/26 13:02	100
Acetophenone	ND		96	15	ug/L		05/22/26 01:33	05/28/26 13:02	100
Anthracene	ND		18	4.7	ug/L		05/22/26 01:33	05/28/26 13:02	100
Atrazine	ND	*1	96	28	ug/L		05/22/26 01:33	05/28/26 13:02	100
Benzaldehyde	ND		96	52	ug/L		05/22/26 01:33	05/28/26 13:02	100
Benzo[a]anthracene	ND	*1	18	7.2	ug/L		05/22/26 01:33	05/28/26 13:02	100
Benzo[a]pyrene	ND		18	12	ug/L		05/22/26 01:33	05/28/26 13:02	100
Benzo[b]fluoranthene	ND		18	9.3	ug/L		05/22/26 01:33	05/28/26 13:02	100
Benzo[g,h,i]perylene	ND		18	6.6	ug/L		05/22/26 01:33	05/28/26 13:02	100

Client Sample ID: MW-10D
Date Collected: 05/19/26 15:15
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-9
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		18	8.5	ug/L		05/22/26 01:33	05/28/26 13:02	100
Bis(2-chloroethoxy)methane	ND	*1	96	15	ug/L		05/22/26 01:33	05/28/26 13:02	100
Bis(2-chloroethyl)ether	ND		18	13	ug/L		05/22/26 01:33	05/28/26 13:02	100
Bis(2-ethylhexyl) phthalate	ND		960	200	ug/L		05/22/26 01:33	05/28/26 13:02	100
Butyl benzyl phthalate	ND		190	90	ug/L		05/22/26 01:33	05/28/26 13:02	100
Caprolactam	ND		480	65	ug/L		05/22/26 01:33	05/28/26 13:02	100
Carbazole	**45**	***1**	18	4.9	ug/L		05/22/26 01:33	05/28/26 13:02	100
Chrysene	ND		18	7.8	ug/L		05/22/26 01:33	05/28/26 13:02	100
Dibenz(a,h)anthracene	ND		18	6.9	ug/L		05/22/26 01:33	05/28/26 13:02	100
Dibenzofuran	ND	*1	96	18	ug/L		05/22/26 01:33	05/28/26 13:02	100
Diethyl phthalate	ND	*1	96	24	ug/L		05/22/26 01:33	05/28/26 13:02	100
Dimethyl phthalate	ND		190	19	ug/L		05/22/26 01:33	05/28/26 13:02	100
Di-n-butyl phthalate	ND	*1	96	36	ug/L		05/22/26 01:33	05/28/26 13:02	100
Di-n-octyl phthalate	ND		96	66	ug/L		05/22/26 01:33	05/28/26 13:02	100
Fluoranthene	ND	*1	18	5.8	ug/L		05/22/26 01:33	05/28/26 13:02	100
Fluorene	**11**	**J**	18	6.6	ug/L		05/22/26 01:33	05/28/26 13:02	100
Hexachlorobenzene	ND	*1	18	5.4	ug/L		05/22/26 01:33	05/28/26 13:02	100
Hexachlorobutadiene	ND	*1	18	15	ug/L		05/22/26 01:33	05/28/26 13:02	100
Hexachlorocyclopentadiene	ND	*1	96	48	ug/L		05/22/26 01:33	05/28/26 13:02	100
Hexachloroethane	ND	*1	96	31	ug/L		05/22/26 01:33	05/28/26 13:02	100
Indeno[1,2,3-cd]pyrene	ND		18	8.2	ug/L		05/22/26 01:33	05/28/26 13:02	100
Isophorone	ND		96	18	ug/L		05/22/26 01:33	05/28/26 13:02	100
Methylphenol, 3 & 4	**130**		96	36	ug/L		05/22/26 01:33	05/28/26 13:02	100
Naphthalene	**2400**	***1**	18	5.7	ug/L		05/22/26 01:33	05/28/26 13:02	100
Nitrobenzene	ND		190	48	ug/L		05/22/26 01:33	05/28/26 13:02	100
N-Nitrosodi-n-propylamine	ND		18	6.8	ug/L		05/22/26 01:33	05/28/26 13:02	100
N-Nitrosodiphenylamine	ND		96	24	ug/L		05/22/26 01:33	05/28/26 13:02	100
Pentachlorophenol	ND		480	81	ug/L		05/22/26 01:33	05/28/26 13:02	100
Phenanthrene	ND		18	15	ug/L		05/22/26 01:33	05/28/26 13:02	100
Phenol	ND		96	47	ug/L		05/22/26 01:33	05/28/26 13:02	100
Pyrene	ND	*1	18	11	ug/L		05/22/26 01:33	05/28/26 13:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*23 - 128*	*05/22/26 01:33*	*05/28/26 13:02*	*100*
2-Fluorobiphenyl	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 13:02*	*100*
2-Fluorophenol (Surr)	*0*	*S1- D*	*20 - 105*	*05/22/26 01:33*	*05/28/26 13:02*	*100*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*20 - 107*	*05/22/26 01:33*	*05/28/26 13:02*	*100*
Phenol-d5 (Surr)	*0*	*S1- D*	*20 - 106*	*05/22/26 01:33*	*05/28/26 13:02*	*100*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*22 - 120*	*05/22/26 01:33*	*05/28/26 13:02*	*100*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		75.0	30.0	mg/L			05/26/26 15:03	50
Sulfate	**836**		75.0	25.0	mg/L			05/26/26 15:03	50

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND	H	0.550	0.250	mg/L			05/22/26 17:51	5
Nitrate as N	ND	H	0.550	0.250	mg/L			05/26/26 14:26	5

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: MW-10D

Date Collected: 05/19/26 15:15
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-9

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3 (SM 2310B-2011)	- 100.008		30	24	mg/L			05/27/26 11:07	2
Turbidity (EPA 180.1)	450		17	1.0	NTU			05/21/26 12:12	20
Total Dissolved Solids (SM 2540C)	1500		20	20	mg/L			05/22/26 17:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	330		5.0	5.0	mg/L			05/28/26 12:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	8.0	HF	0.1	0.1	SU			05/22/26 18:13	1
Specific Conductance (SM 2510B)	2600		1.0	1.0	umhos/cm			05/22/26 15:41	1

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: TB-7

Date Collected: 05/19/26 00:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/02/26 13:59	1
1,1,2,2-Tetrachloroethane	ND	^c *+	0.50	0.10	ug/L			06/02/26 13:59	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/02/26 13:59	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/02/26 13:59	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 13:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/02/26 13:59	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/02/26 13:59	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/02/26 13:59	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:59	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/02/26 13:59	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/02/26 13:59	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:59	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:59	1
2-Butanone	ND		5.0	2.5	ug/L			06/02/26 13:59	1
2-Hexanone	ND		5.0	2.0	ug/L			06/02/26 13:59	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/02/26 13:59	1
Acetone	**7.0**		5.0	1.5	ug/L			06/02/26 13:59	1
Benzene	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Bromoform	ND		1.0	0.30	ug/L			06/02/26 13:59	1
Bromomethane	ND	^c	0.50	0.10	ug/L			06/02/26 13:59	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/02/26 13:59	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:59	1
Chloroethane	ND	^c *+	0.50	0.10	ug/L			06/02/26 13:59	1
Chloroform	ND		0.50	0.090	ug/L			06/02/26 13:59	1
Chloromethane	ND		0.50	0.22	ug/L			06/02/26 13:59	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/02/26 13:59	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Cyclohexane	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/02/26 13:59	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Freon 113	ND		0.50	0.17	ug/L			06/02/26 13:59	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Methyl acetate	ND		1.0	0.20	ug/L			06/02/26 13:59	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Styrene	ND		0.50	0.070	ug/L			06/02/26 13:59	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/02/26 13:59	1
Toluene	ND		0.50	0.080	ug/L			06/02/26 13:59	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 13:59	1
trans-1,3-Dichloropropene	ND	^c *+	0.50	0.080	ug/L			06/02/26 13:59	1
Trichloroethene	ND		0.50	0.080	ug/L			06/02/26 13:59	1
Trichlorofluoromethane	ND	^c	0.50	0.10	ug/L			06/02/26 13:59	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/02/26 13:59	1
Xylene (total)	ND		1.0	0.070	ug/L			06/02/26 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*06/02/26 13:59*	*1*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: TB-7
Date Collected: 05/19/26 00:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/02/26 13:59*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/02/26 13:59*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/02/26 13:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**0.82**	**H**	0.50	0.20	ug/L			06/05/26 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*80 - 120*		*06/05/26 13:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/05/26 13:12*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/05/26 13:12*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/05/26 13:12*	*1*

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

Lab Sample ID: MB 410-827683/6
Matrix: Water
Analysis Batch: 827683

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		0.50	0.080	ug/L			06/02/26 13:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/02/26 13:37	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 13:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/02/26 13:37	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/02/26 13:37	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/02/26 13:37	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:37	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/02/26 13:37	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:37	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:37	1
2-Butanone	ND		5.0	2.5	ug/L			06/02/26 13:37	1
2-Hexanone	ND		5.0	2.0	ug/L			06/02/26 13:37	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/02/26 13:37	1
Acetone	ND		5.0	1.5	ug/L			06/02/26 13:37	1
Benzene	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Bromoform	ND		1.0	0.30	ug/L			06/02/26 13:37	1
Bromomethane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/02/26 13:37	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/02/26 13:37	1
Chloroethane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Chloroform	ND		0.50	0.090	ug/L			06/02/26 13:37	1
Chloromethane	ND		0.50	0.22	ug/L			06/02/26 13:37	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Cyclohexane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/02/26 13:37	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Freon 113	ND		0.50	0.17	ug/L			06/02/26 13:37	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Methyl acetate	ND		1.0	0.20	ug/L			06/02/26 13:37	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/02/26 13:37	1
Styrene	ND		0.50	0.070	ug/L			06/02/26 13:37	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/02/26 13:37	1
Toluene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/02/26 13:37	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Trichloroethene	ND		0.50	0.080	ug/L			06/02/26 13:37	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/02/26 13:37	1
Xylene (total)	ND		1.0	0.070	ug/L			06/02/26 13:37	1

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

Lab Sample ID: MB 410-827683/6
Matrix: Water
Analysis Batch: 827683

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		06/02/26 13:37	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/02/26 13:37	1
Dibromofluoromethane (Surr)	97		80 - 120		06/02/26 13:37	1
Toluene-d8 (Surr)	113		80 - 120		06/02/26 13:37	1

Lab Sample ID: LCS 410-827683/4
Matrix: Water
Analysis Batch: 827683

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	5.00	5.21		ug/L		104	78 - 126
1,1,2,2-Tetrachloroethane	5.00	7.04	*+	ug/L		141	75 - 130
1,1,2-Trichloroethane	5.00	5.84		ug/L		117	80 - 120
1,1-Dichloroethane	5.00	5.97		ug/L		119	80 - 128
1,1-Dichloroethene	5.00	4.99		ug/L		100	80 - 131
1,2,4-Trichlorobenzene	5.00	4.61		ug/L		92	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.26		ug/L		105	60 - 124
1,2-Dibromoethane	5.00	5.70		ug/L		114	80 - 120
1,2-Dichlorobenzene	5.00	5.32		ug/L		106	80 - 120
1,2-Dichloroethane	5.00	6.24		ug/L		125	79 - 128
1,2-Dichloropropane	5.00	5.89		ug/L		118	80 - 129
1,3-Dichlorobenzene	5.00	5.31		ug/L		106	80 - 120
1,4-Dichlorobenzene	5.00	5.15		ug/L		103	80 - 120
2-Butanone	62.5	77.0		ug/L		123	67 - 141
2-Hexanone	62.5	77.6		ug/L		124	62 - 151
4-Methyl-2-pentanone	62.5	78.1		ug/L		125	63 - 140
Acetone	62.5	73.4		ug/L		117	60 - 146
Benzene	5.00	5.25		ug/L		105	80 - 120
Bromodichloromethane	5.00	5.38		ug/L		108	80 - 123
Bromoform	5.00	4.05		ug/L		81	67 - 134
Bromomethane	5.00	6.25		ug/L		125	63 - 126
Carbon disulfide	5.00	5.13		ug/L		103	67 - 130
Carbon tetrachloride	5.00	4.92		ug/L		98	77 - 132
Chlorobenzene	5.00	5.31		ug/L		106	80 - 120
Chloroethane	5.00	6.84	*+	ug/L		137	63 - 132
Chloroform	5.00	4.89		ug/L		98	80 - 120
Chloromethane	5.00	5.15		ug/L		103	56 - 131
cis-1,2-Dichloroethene	5.00	5.15		ug/L		103	80 - 122
cis-1,3-Dichloropropene	5.00	5.16		ug/L		103	75 - 121
Cyclohexane	5.00	5.62		ug/L		112	69 - 120
Dibromochloromethane	5.00	4.84		ug/L		97	80 - 123
Dichlorodifluoromethane	5.00	4.66		ug/L		93	43 - 137
Ethylbenzene	5.00	5.73		ug/L		115	80 - 120
Freon 113	5.00	4.97		ug/L		99	61 - 124
Isopropylbenzene	5.00	5.57		ug/L		111	87 - 133
Methyl acetate	5.00	3.48		ug/L		70	45 - 143
Methyl tertiary butyl ether	5.00	5.35		ug/L		107	69 - 120
Methylcyclohexane	5.00	5.16		ug/L		103	69 - 126

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

Lab Sample ID: LCS 410-827683/4
Matrix: Water
Analysis Batch: 827683

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	5.00	6.23	*+	ug/L		125	80 - 120
Styrene	5.00	5.48		ug/L		110	80 - 120
Tetrachloroethene	5.00	4.06		ug/L		81	80 - 120
Toluene	5.00	5.60		ug/L		112	80 - 120
trans-1,2-Dichloroethene	5.00	4.94		ug/L		99	80 - 122
trans-1,3-Dichloropropene	5.00	6.37	*+	ug/L		127	76 - 123
Trichloroethene	5.00	5.00		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	5.74		ug/L		115	53 - 136
Vinyl chloride	5.00	5.38		ug/L		108	60 - 125
Xylene (total)	15.0	16.0		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*114*		*80 - 120*

Lab Sample ID: MB 410-829323/6
Matrix: Water
Analysis Batch: 829323

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		0.50	0.080	ug/L			06/04/26 13:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/04/26 13:43	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/04/26 13:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/04/26 13:43	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/04/26 13:43	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/04/26 13:43	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/04/26 13:43	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/04/26 13:43	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/04/26 13:43	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/04/26 13:43	1
2-Butanone	ND		5.0	2.5	ug/L			06/04/26 13:43	1
2-Hexanone	ND		5.0	2.0	ug/L			06/04/26 13:43	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/04/26 13:43	1
Acetone	ND		5.0	1.5	ug/L			06/04/26 13:43	1
Benzene	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Bromoform	ND		1.0	0.30	ug/L			06/04/26 13:43	1
Bromomethane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/04/26 13:43	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/04/26 13:43	1
Chloroethane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Chloroform	ND		0.50	0.090	ug/L			06/04/26 13:43	1

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

Lab Sample ID: MB 410-829323/6
Matrix: Water
Analysis Batch: 829323

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.50	0.22	ug/L			06/04/26 13:43	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Cyclohexane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/04/26 13:43	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Freon 113	ND		0.50	0.17	ug/L			06/04/26 13:43	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Methyl acetate	ND		1.0	0.20	ug/L			06/04/26 13:43	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/04/26 13:43	1
Styrene	ND		0.50	0.070	ug/L			06/04/26 13:43	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/04/26 13:43	1
Toluene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/04/26 13:43	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Trichloroethene	ND		0.50	0.080	ug/L			06/04/26 13:43	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/04/26 13:43	1
Xylene (total)	ND		1.0	0.070	ug/L			06/04/26 13:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/04/26 13:43*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*06/04/26 13:43*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/04/26 13:43*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/04/26 13:43*	*1*

Lab Sample ID: LCS 410-829323/4
Matrix: Water
Analysis Batch: 829323

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	5.00	4.78		ug/L		96	78 - 126
1,1,2,2-Tetrachloroethane	5.00	7.09	*+	ug/L		142	75 - 130
1,1,2-Trichloroethane	5.00	5.90		ug/L		118	80 - 120
1,1-Dichloroethane	5.00	6.18		ug/L		124	80 - 128
1,1-Dichloroethene	5.00	5.00		ug/L		100	80 - 131
1,2,4-Trichlorobenzene	5.00	4.84		ug/L		97	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	5.32		ug/L		106	60 - 124
1,2-Dibromoethane	5.00	5.54		ug/L		111	80 - 120
1,2-Dichlorobenzene	5.00	5.14		ug/L		103	80 - 120
1,2-Dichloroethane	5.00	5.95		ug/L		119	79 - 128
1,2-Dichloropropane	5.00	6.12		ug/L		122	80 - 129
1,3-Dichlorobenzene	5.00	5.08		ug/L		102	80 - 120
1,4-Dichlorobenzene	5.00	4.98		ug/L		100	80 - 120
2-Butanone	62.5	73.3		ug/L		117	67 - 141

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

Lab Sample ID: LCS 410-829323/4
Matrix: Water
Analysis Batch: 829323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	62.5	76.1		ug/L		122	62 - 151
4-Methyl-2-pentanone	62.5	77.5		ug/L		124	63 - 140
Acetone	62.5	72.0		ug/L		115	60 - 146
Benzene	5.00	5.29		ug/L		106	80 - 120
Bromodichloromethane	5.00	5.09		ug/L		102	80 - 123
Bromoform	5.00	4.39		ug/L		88	67 - 134
Bromomethane	5.00	3.67		ug/L		73	63 - 126
Carbon disulfide	5.00	5.18		ug/L		104	67 - 130
Carbon tetrachloride	5.00	4.47		ug/L		89	77 - 132
Chlorobenzene	5.00	5.14		ug/L		103	80 - 120
Chloroethane	5.00	4.30		ug/L		86	63 - 132
Chloroform	5.00	4.64		ug/L		93	80 - 120
Chloromethane	5.00	4.35		ug/L		87	56 - 131
cis-1,2-Dichloroethene	5.00	4.96		ug/L		99	80 - 122
cis-1,3-Dichloropropene	5.00	5.35		ug/L		107	75 - 121
Cyclohexane	5.00	5.93		ug/L		119	69 - 120
Dibromochloromethane	5.00	4.77		ug/L		95	80 - 123
Dichlorodifluoromethane	5.00	3.33		ug/L		67	43 - 137
Ethylbenzene	5.00	5.60		ug/L		112	80 - 120
Freon 113	5.00	4.65		ug/L		93	61 - 124
Isopropylbenzene	5.00	5.39		ug/L		108	87 - 133
Methyl acetate	5.00	4.93		ug/L		99	45 - 143
Methyl tertiary butyl ether	5.00	5.39		ug/L		108	69 - 120
Methylcyclohexane	5.00	4.95		ug/L		99	69 - 126
Methylene Chloride	5.00	6.18	*+	ug/L		124	80 - 120
Styrene	5.00	5.25		ug/L		105	80 - 120
Tetrachloroethene	5.00	4.34		ug/L		87	80 - 120
Toluene	5.00	5.44		ug/L		109	80 - 120
trans-1,2-Dichloroethene	5.00	4.87		ug/L		97	80 - 122
trans-1,3-Dichloropropene	5.00	6.33	*+	ug/L		127	76 - 123
Trichloroethene	5.00	4.91		ug/L		98	80 - 120
Trichlorofluoromethane	5.00	2.77		ug/L		55	53 - 136
Vinyl chloride	5.00	4.26		ug/L		85	60 - 125
Xylene (total)	15.0	15.5		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*113*		*80 - 120*

Lab Sample ID: MB 410-829822/6
Matrix: Water
Analysis Batch: 829822

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
Carbon tetrachloride	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1

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

Lab Sample ID: MB 410-829822/6
Matrix: Water
Analysis Batch: 829822

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
Chloroform	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
1,1-Dichloroethene	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
2-Butanone	ND		0.010	0.00050	mg/L			06/04/26 19:31	1
Tetrachloroethene	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
Trichloroethene	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1
Vinyl chloride	ND		0.0010	0.00030	mg/L			06/04/26 19:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/04/26 19:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/04/26 19:31*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/04/26 19:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/04/26 19:31*	*1*

Lab Sample ID: LCS 410-829822/5
Matrix: Water
Analysis Batch: 829822

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0215		mg/L		107	80 - 120
Carbon tetrachloride	0.0200	0.0230		mg/L		115	64 - 134
Chlorobenzene	0.0200	0.0210		mg/L		105	80 - 120
Chloroform	0.0200	0.0210		mg/L		105	72 - 120
1,1-Dichloroethene	0.0200	0.0244		mg/L		122	80 - 131
1,2-Dichloroethane	0.0200	0.0200		mg/L		100	73 - 124
2-Butanone	0.250	0.262		mg/L		105	59 - 135
Tetrachloroethene	0.0200	0.0219		mg/L		109	80 - 120
Trichloroethene	0.0200	0.0208		mg/L		104	80 - 120
Vinyl chloride	0.0200	0.0191		mg/L		96	56 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 410-829846/10
Matrix: Water
Analysis Batch: 829846

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		0.50	0.080	ug/L			06/05/26 00:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/26 00:01	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/26 00:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/05/26 00:01	1

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

Lab Sample ID: MB 410-829846/10
Matrix: Water
Analysis Batch: 829846

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/05/26 00:01	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/05/26 00:01	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 00:01	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/05/26 00:01	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 00:01	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 00:01	1
2-Butanone	ND		5.0	2.5	ug/L			06/05/26 00:01	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/26 00:01	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/05/26 00:01	1
Acetone	ND		5.0	1.5	ug/L			06/05/26 00:01	1
Benzene	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Bromoform	ND		1.0	0.30	ug/L			06/05/26 00:01	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/26 00:01	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/26 00:01	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Chloroform	ND		0.50	0.090	ug/L			06/05/26 00:01	1
Chloromethane	ND		0.50	0.22	ug/L			06/05/26 00:01	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Cyclohexane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/05/26 00:01	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Freon 113	ND		0.50	0.17	ug/L			06/05/26 00:01	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Methyl acetate	ND		1.0	0.20	ug/L			06/05/26 00:01	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/26 00:01	1
Styrene	ND		0.50	0.070	ug/L			06/05/26 00:01	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/05/26 00:01	1
Toluene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/26 00:01	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Trichloroethene	ND		0.50	0.080	ug/L			06/05/26 00:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/26 00:01	1
Xylene (total)	ND		1.0	0.070	ug/L			06/05/26 00:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/05/26 00:01*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*06/05/26 00:01*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/05/26 00:01*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/05/26 00:01*	*1*

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

Lab Sample ID: LCS 410-829846/5
Matrix: Water
Analysis Batch: 829846

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	5.00	5.10		ug/L		102	78 - 126
1,1,2,2-Tetrachloroethane	5.00	5.13		ug/L		103	75 - 130
1,1,2-Trichloroethane	5.00	5.18		ug/L		104	80 - 120
1,1-Dichloroethane	5.00	5.48		ug/L		110	80 - 128
1,1-Dichloroethene	5.00	5.69		ug/L		114	80 - 131
1,2,4-Trichlorobenzene	5.00	5.64		ug/L		113	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.76		ug/L		95	60 - 124
1,2-Dibromoethane	5.00	5.18		ug/L		104	80 - 120
1,2-Dichlorobenzene	5.00	5.41		ug/L		108	80 - 120
1,2-Dichloroethane	5.00	4.96		ug/L		99	79 - 128
1,2-Dichloropropane	5.00	5.48		ug/L		110	80 - 129
1,3-Dichlorobenzene	5.00	5.34		ug/L		107	80 - 120
1,4-Dichlorobenzene	5.00	5.32		ug/L		106	80 - 120
2-Butanone	62.5	73.6		ug/L		118	67 - 141
2-Hexanone	62.5	72.2		ug/L		116	62 - 151
4-Methyl-2-pentanone	62.5	74.1		ug/L		119	63 - 140
Acetone	62.5	58.8		ug/L		94	60 - 146
Benzene	5.00	5.27		ug/L		105	80 - 120
Bromodichloromethane	5.00	4.95		ug/L		99	80 - 123
Bromoform	5.00	4.63		ug/L		93	67 - 134
Bromomethane	5.00	4.82		ug/L		96	63 - 126
Carbon disulfide	5.00	5.28		ug/L		106	67 - 130
Carbon tetrachloride	5.00	5.26		ug/L		105	77 - 132
Chlorobenzene	5.00	5.37		ug/L		107	80 - 120
Chloroethane	5.00	5.27		ug/L		105	63 - 132
Chloroform	5.00	5.13		ug/L		103	80 - 120
Chloromethane	5.00	4.97		ug/L		99	56 - 131
cis-1,2-Dichloroethene	5.00	5.35		ug/L		107	80 - 122
cis-1,3-Dichloropropene	5.00	4.76		ug/L		95	75 - 121
Cyclohexane	5.00	5.57		ug/L		111	69 - 120
Dibromochloromethane	5.00	4.88		ug/L		98	80 - 123
Dichlorodifluoromethane	5.00	3.49		ug/L		70	43 - 137
Ethylbenzene	5.00	5.29		ug/L		106	80 - 120
Freon 113	5.00	5.49		ug/L		110	61 - 124
Isopropylbenzene	5.00	5.31		ug/L		106	87 - 133
Methyl acetate	5.00	5.55		ug/L		111	45 - 143
Methyl tertiary butyl ether	5.00	4.64		ug/L		93	69 - 120
Methylcyclohexane	5.00	5.16		ug/L		103	69 - 126
Methylene Chloride	5.00	5.44		ug/L		109	80 - 120
Styrene	5.00	5.30		ug/L		106	80 - 120
Tetrachloroethene	5.00	5.16		ug/L		103	80 - 120
Toluene	5.00	5.29		ug/L		106	80 - 120
trans-1,2-Dichloroethene	5.00	5.25		ug/L		105	80 - 122
trans-1,3-Dichloropropene	5.00	5.01		ug/L		100	76 - 123
Trichloroethene	5.00	4.99		ug/L		100	80 - 120
Trichlorofluoromethane	5.00	3.71		ug/L		74	53 - 136
Vinyl chloride	5.00	4.83		ug/L		97	60 - 125
Xylene (total)	15.0	15.8		ug/L		105	80 - 120

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

Lab Sample ID: LCS 410-829846/5
Matrix: Water
Analysis Batch: 829846

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 410-829846/6
Matrix: Water
Analysis Batch: 829846

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			5.00	4.71		ug/L		94	78 - 126	8	30
1,1,2,2-Tetrachloroethane			5.00	4.73		ug/L		95	75 - 130	8	30
1,1,2-Trichloroethane			5.00	4.75		ug/L		95	80 - 120	9	30
1,1-Dichloroethane			5.00	5.08		ug/L		102	80 - 128	8	30
1,1-Dichloroethene			5.00	5.30		ug/L		106	80 - 131	7	30
1,2,4-Trichlorobenzene			5.00	4.99		ug/L		100	68 - 122	12	30
1,2-Dibromo-3-Chloropropane			5.00	4.57		ug/L		91	60 - 124	4	30
1,2-Dibromoethane			5.00	4.78		ug/L		96	80 - 120	8	30
1,2-Dichlorobenzene			5.00	4.94		ug/L		99	80 - 120	9	30
1,2-Dichloroethane			5.00	4.54		ug/L		91	79 - 128	9	30
1,2-Dichloropropane			5.00	5.03		ug/L		101	80 - 129	9	30
1,3-Dichlorobenzene			5.00	4.88		ug/L		98	80 - 120	9	30
1,4-Dichlorobenzene			5.00	4.90		ug/L		98	80 - 120	8	30
2-Butanone			62.5	72.8		ug/L		116	67 - 141	1	30
2-Hexanone			62.5	72.2		ug/L		116	62 - 151	0	30
4-Methyl-2-pentanone			62.5	73.8		ug/L		118	63 - 140	0	30
Acetone			62.5	66.0		ug/L		106	60 - 146	11	30
Benzene			5.00	4.89		ug/L		98	80 - 120	8	30
Bromodichloromethane			5.00	4.56		ug/L		91	80 - 123	8	30
Bromoform			5.00	4.20		ug/L		84	67 - 134	10	30
Bromomethane			5.00	4.39		ug/L		88	63 - 126	9	30
Carbon disulfide			5.00	4.90		ug/L		98	67 - 130	7	30
Carbon tetrachloride			5.00	4.81		ug/L		96	77 - 132	9	30
Chlorobenzene			5.00	4.86		ug/L		97	80 - 120	10	30
Chloroethane			5.00	4.81		ug/L		96	63 - 132	9	30
Chloroform			5.00	4.70		ug/L		94	80 - 120	9	30
Chloromethane			5.00	4.74		ug/L		95	56 - 131	5	30
cis-1,2-Dichloroethene			5.00	4.85		ug/L		97	80 - 122	10	30
cis-1,3-Dichloropropene			5.00	4.33		ug/L		87	75 - 121	9	30
Cyclohexane			5.00	5.13		ug/L		103	69 - 120	8	30
Dibromochloromethane			5.00	4.49		ug/L		90	80 - 123	8	30
Dichlorodifluoromethane			5.00	3.21		ug/L		64	43 - 137	8	30
Ethylbenzene			5.00	4.85		ug/L		97	80 - 120	9	30
Freon 113			5.00	5.14		ug/L		103	61 - 124	6	30
Isopropylbenzene			5.00	4.90		ug/L		98	87 - 133	8	30
Methyl acetate			5.00	5.45		ug/L		109	45 - 143	2	30
Methyl tertiary butyl ether			5.00	4.22		ug/L		84	69 - 120	9	30
Methylcyclohexane			5.00	4.80		ug/L		96	69 - 126	7	30

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

Lab Sample ID: LCSD 410-829846/6
Matrix: Water
Analysis Batch: 829846

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Chloride			5.00	4.97		ug/L		99	80 - 120	9	30
Styrene			5.00	4.84		ug/L		97	80 - 120	9	30
Tetrachloroethene			5.00	4.65		ug/L		93	80 - 120	10	30
Toluene			5.00	4.85		ug/L		97	80 - 120	9	30
trans-1,2-Dichloroethene			5.00	4.79		ug/L		96	80 - 122	9	30
trans-1,3-Dichloropropene			5.00	4.57		ug/L		91	76 - 123	9	30
Trichloroethene			5.00	4.61		ug/L		92	80 - 120	8	30
Trichlorofluoromethane			5.00	3.43		ug/L		69	53 - 136	8	30
Vinyl chloride			5.00	4.59		ug/L		92	60 - 125	5	30
Xylene (total)			15.0	14.5		ug/L		97	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 410-830104/10
Matrix: Water
Analysis Batch: 830104

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		0.50	0.080	ug/L			06/05/26 12:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/05/26 12:27	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/05/26 12:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.15	ug/L			06/05/26 12:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.25	ug/L			06/05/26 12:27	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/05/26 12:27	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 12:27	1
1,2-Dichloroethane	ND		0.50	0.17	ug/L			06/05/26 12:27	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 12:27	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/05/26 12:27	1
2-Butanone	ND		5.0	2.5	ug/L			06/05/26 12:27	1
2-Hexanone	ND		5.0	2.0	ug/L			06/05/26 12:27	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/05/26 12:27	1
Acetone	ND		5.0	1.5	ug/L			06/05/26 12:27	1
Benzene	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Bromoform	ND		1.0	0.30	ug/L			06/05/26 12:27	1
Bromomethane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/05/26 12:27	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/05/26 12:27	1
Chloroethane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Chloroform	ND		0.50	0.090	ug/L			06/05/26 12:27	1

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

Lab Sample ID: MB 410-830104/10
Matrix: Water
Analysis Batch: 830104

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		0.50	0.22	ug/L			06/05/26 12:27	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Cyclohexane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Dichlorodifluoromethane	ND		0.50	0.22	ug/L			06/05/26 12:27	1
Ethylbenzene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Freon 113	ND		0.50	0.17	ug/L			06/05/26 12:27	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Methyl acetate	ND		1.0	0.20	ug/L			06/05/26 12:27	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/05/26 12:27	1
Styrene	ND		0.50	0.070	ug/L			06/05/26 12:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/05/26 12:27	1
Toluene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/05/26 12:27	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Trichloroethene	ND		0.50	0.080	ug/L			06/05/26 12:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/05/26 12:27	1
Xylene (total)	ND		1.0	0.070	ug/L			06/05/26 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 120*		*06/05/26 12:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/05/26 12:27*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/05/26 12:27*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/05/26 12:27*	*1*

Lab Sample ID: LCS 410-830104/5
Matrix: Water
Analysis Batch: 830104

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	5.00	5.20		ug/L		104	78 - 126
1,1,2,2-Tetrachloroethane	5.00	4.69		ug/L		94	75 - 130
1,1,2-Trichloroethane	5.00	4.35		ug/L		87	80 - 120
1,1-Dichloroethane	5.00	5.25		ug/L		105	80 - 128
1,1-Dichloroethene	5.00	5.05		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	5.00	4.57		ug/L		91	68 - 122
1,2-Dibromo-3-Chloropropane	5.00	4.29		ug/L		86	60 - 124
1,2-Dibromoethane	5.00	4.50		ug/L		90	80 - 120
1,2-Dichlorobenzene	5.00	4.85		ug/L		97	80 - 120
1,2-Dichloroethane	5.00	4.46		ug/L		89	79 - 128
1,2-Dichloropropane	5.00	4.83		ug/L		97	80 - 129
1,3-Dichlorobenzene	5.00	5.14		ug/L		103	80 - 120
1,4-Dichlorobenzene	5.00	5.03		ug/L		101	80 - 120
2-Butanone	62.5	60.1		ug/L		96	67 - 141

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

Lab Sample ID: LCS 410-830104/5
Matrix: Water
Analysis Batch: 830104

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	62.5	67.0		ug/L		107	62 - 151
4-Methyl-2-pentanone	62.5	68.6		ug/L		110	63 - 140
Acetone	62.5	55.7		ug/L		89	60 - 146
Benzene	5.00	4.87		ug/L		97	80 - 120
Bromodichloromethane	5.00	4.44		ug/L		89	80 - 123
Bromoform	5.00	3.81		ug/L		76	67 - 134
Bromomethane	5.00	4.33		ug/L		87	63 - 126
Carbon disulfide	5.00	4.55		ug/L		91	67 - 130
Carbon tetrachloride	5.00	5.23		ug/L		105	77 - 132
Chlorobenzene	5.00	5.14		ug/L		103	80 - 120
Chloroethane	5.00	4.93		ug/L		99	63 - 132
Chloroform	5.00	5.03		ug/L		101	80 - 120
Chloromethane	5.00	4.02		ug/L		80	56 - 131
cis-1,2-Dichloroethene	5.00	5.04		ug/L		101	80 - 122
cis-1,3-Dichloropropene	5.00	4.17		ug/L		83	75 - 121
Cyclohexane	5.00	5.10		ug/L		102	69 - 120
Dibromochloromethane	5.00	4.12		ug/L		82	80 - 123
Dichlorodifluoromethane	5.00	3.16		ug/L		63	43 - 137
Ethylbenzene	5.00	5.37		ug/L		107	80 - 120
Freon 113	5.00	4.90		ug/L		98	61 - 124
Isopropylbenzene	5.00	5.43		ug/L		109	87 - 133
Methyl acetate	5.00	4.65		ug/L		93	45 - 143
Methyl tertiary butyl ether	5.00	4.23		ug/L		85	69 - 120
Methylcyclohexane	5.00	5.20		ug/L		104	69 - 126
Methylene Chloride	5.00	4.57		ug/L		91	80 - 120
Styrene	5.00	5.08		ug/L		102	80 - 120
Tetrachloroethene	5.00	4.94		ug/L		99	80 - 120
Toluene	5.00	5.13		ug/L		103	80 - 120
trans-1,2-Dichloroethene	5.00	4.85		ug/L		97	80 - 122
trans-1,3-Dichloropropene	5.00	4.36		ug/L		87	76 - 123
Trichloroethene	5.00	5.03		ug/L		101	80 - 120
Trichlorofluoromethane	5.00	4.08		ug/L		82	53 - 136
Vinyl chloride	5.00	4.49		ug/L		90	60 - 125
Xylene (total)	15.0	15.8		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 410-830104/6
Matrix: Water
Analysis Batch: 830104

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	5.00	5.25		ug/L		105	78 - 126	1	30
1,1,2,2-Tetrachloroethane	5.00	4.63		ug/L		93	75 - 130	1	30

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

Lab Sample ID: LCSD 410-830104/6
Matrix: Water
Analysis Batch: 830104

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	5.00	4.37		ug/L		87	80 - 120	0	30
1,1-Dichloroethane	5.00	5.23		ug/L		105	80 - 128	0	30
1,1-Dichloroethene	5.00	5.02		ug/L		100	80 - 131	1	30
1,2,4-Trichlorobenzene	5.00	4.66		ug/L		93	68 - 122	2	30
1,2-Dibromo-3-Chloropropane	5.00	4.18		ug/L		84	60 - 124	2	30
1,2-Dibromoethane	5.00	4.48		ug/L		90	80 - 120	0	30
1,2-Dichlorobenzene	5.00	4.84		ug/L		97	80 - 120	0	30
1,2-Dichloroethane	5.00	4.46		ug/L		89	79 - 128	0	30
1,2-Dichloropropane	5.00	4.76		ug/L		95	80 - 129	1	30
1,3-Dichlorobenzene	5.00	5.16		ug/L		103	80 - 120	0	30
1,4-Dichlorobenzene	5.00	5.04		ug/L		101	80 - 120	0	30
2-Butanone	62.5	57.0		ug/L		91	67 - 141	5	30
2-Hexanone	62.5	64.3		ug/L		103	62 - 151	4	30
4-Methyl-2-pentanone	62.5	65.6		ug/L		105	63 - 140	4	30
Acetone	62.5	53.0		ug/L		85	60 - 146	5	30
Benzene	5.00	4.86		ug/L		97	80 - 120	0	30
Bromodichloromethane	5.00	4.40		ug/L		88	80 - 123	1	30
Bromoform	5.00	3.83		ug/L		77	67 - 134	1	30
Bromomethane	5.00	4.38		ug/L		88	63 - 126	1	30
Carbon disulfide	5.00	4.57		ug/L		91	67 - 130	0	30
Carbon tetrachloride	5.00	5.28		ug/L		106	77 - 132	1	30
Chlorobenzene	5.00	5.11		ug/L		102	80 - 120	1	30
Chloroethane	5.00	5.09		ug/L		102	63 - 132	3	30
Chloroform	5.00	5.06		ug/L		101	80 - 120	1	30
Chloromethane	5.00	3.99		ug/L		80	56 - 131	1	30
cis-1,2-Dichloroethene	5.00	5.07		ug/L		101	80 - 122	1	30
cis-1,3-Dichloropropene	5.00	4.16		ug/L		83	75 - 121	0	30
Cyclohexane	5.00	5.17		ug/L		103	69 - 120	1	30
Dibromochloromethane	5.00	4.14		ug/L		83	80 - 123	1	30
Dichlorodifluoromethane	5.00	3.11		ug/L		62	43 - 137	2	30
Ethylbenzene	5.00	5.39		ug/L		108	80 - 120	0	30
Freon 113	5.00	5.00		ug/L		100	61 - 124	2	30
Isopropylbenzene	5.00	5.48		ug/L		110	87 - 133	1	30
Methyl acetate	5.00	4.38		ug/L		88	45 - 143	6	30
Methyl tertiary butyl ether	5.00	4.22		ug/L		84	69 - 120	0	30
Methylcyclohexane	5.00	5.26		ug/L		105	69 - 126	1	30
Methylene Chloride	5.00	4.51		ug/L		90	80 - 120	1	30
Styrene	5.00	5.04		ug/L		101	80 - 120	1	30
Tetrachloroethene	5.00	5.03		ug/L		101	80 - 120	2	30
Toluene	5.00	5.08		ug/L		102	80 - 120	1	30
trans-1,2-Dichloroethene	5.00	4.86		ug/L		97	80 - 122	0	30
trans-1,3-Dichloropropene	5.00	4.48		ug/L		90	76 - 123	3	30
Trichloroethene	5.00	5.06		ug/L		101	80 - 120	1	30
Trichlorofluoromethane	5.00	4.10		ug/L		82	53 - 136	1	30
Vinyl chloride	5.00	4.46		ug/L		89	60 - 125	1	30
Xylene (total)	15.0	15.8		ug/L		105	80 - 120	0	30

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

Lab Sample ID: LCSD 410-830104/6
Matrix: Water
Analysis Batch: 830104

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*84*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: MB 410-830119/7
Matrix: Water
Analysis Batch: 830119

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
Carbon tetrachloride	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
Chlorobenzene	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
Chloroform	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
1,1-Dichloroethene	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
1,2-Dichloroethane	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
2-Butanone	ND		0.010	0.00050	mg/L			06/05/26 10:09	1
Tetrachloroethene	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
Trichloroethene	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1
Vinyl chloride	ND		0.0010	0.00030	mg/L			06/05/26 10:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/05/26 10:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/05/26 10:09*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/05/26 10:09*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/05/26 10:09*	*1*

Lab Sample ID: LCS 410-830119/5
Matrix: Water
Analysis Batch: 830119

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0200	0.0183		mg/L		92	80 - 120
Carbon tetrachloride	0.0200	0.0220		mg/L		110	64 - 134
Chlorobenzene	0.0200	0.0191		mg/L		95	80 - 120
Chloroform	0.0200	0.0168		mg/L		84	72 - 120
1,1-Dichloroethene	0.0200	0.0201		mg/L		100	80 - 131
1,2-Dichloroethane	0.0200	0.0201		mg/L		100	73 - 124
2-Butanone	0.250	0.202		mg/L		81	59 - 135
Tetrachloroethene	0.0200	0.0205		mg/L		102	80 - 120
Trichloroethene	0.0200	0.0195		mg/L		97	80 - 120
Vinyl chloride	0.0200	0.0156		mg/L		78	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

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

Lab Sample ID: LB 410-823054/1-A
Matrix: Water
Analysis Batch: 829822

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
Carbon tetrachloride	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
Chlorobenzene	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
Chloroform	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
1,1-Dichloroethene	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
1,2-Dichloroethane	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
2-Butanone	ND		0.20	0.010	mg/L			06/04/26 23:37	20
Tetrachloroethene	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
Trichloroethene	ND		0.020	0.0060	mg/L			06/04/26 23:37	20
Vinyl chloride	ND		0.020	0.0060	mg/L			06/04/26 23:37	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*06/04/26 23:37*	*20*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/04/26 23:37*	*20*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/04/26 23:37*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/04/26 23:37*	*20*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-514114/1-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		0.19	0.12	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		05/22/26 01:33	05/26/26 11:33	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Chloroaniline	ND		1.0	0.38	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		05/22/26 01:33	05/26/26 11:33	1
Acenaphthene	ND		0.19	0.065	ug/L		05/22/26 01:33	05/26/26 11:33	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/22/26 01:33	05/26/26 11:33	1
Anthracene	ND		0.19	0.049	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzo[a]pyrene	ND		0.19	0.13	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Nitroaniline	ND		5.0	0.55	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/22/26 01:33	05/26/26 11:33	1
3-Nitroaniline	ND		5.0	0.44	ug/L		05/22/26 01:33	05/26/26 11:33	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Nitroaniline	ND		5.0	0.36	ug/L		05/22/26 01:33	05/26/26 11:33	1
Bis(2-chloroethyl)ether	ND		0.19	0.14	ug/L		05/22/26 01:33	05/26/26 11:33	1
Bis(2-ethylhexyl) phthalate	ND		10	2.1	ug/L		05/22/26 01:33	05/26/26 11:33	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		05/22/26 01:33	05/26/26 11:33	1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-514114/1-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.19	0.081	ug/L		05/22/26 01:33	05/26/26 11:33	1
Carbazole	ND		0.19	0.051	ug/L		05/22/26 01:33	05/26/26 11:33	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		05/22/26 01:33	05/26/26 11:33	1
Acetophenone	ND		1.0	0.16	ug/L		05/22/26 01:33	05/26/26 11:33	1
Dibenzofuran	ND		1.0	0.19	ug/L		05/22/26 01:33	05/26/26 11:33	1
Atrazine	ND		1.0	0.30	ug/L		05/22/26 01:33	05/26/26 11:33	1
Diethyl phthalate	ND		1.0	0.25	ug/L		05/22/26 01:33	05/26/26 11:33	1
Benzaldehyde	ND		1.0	0.54	ug/L		05/22/26 01:33	05/26/26 11:33	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		05/22/26 01:33	05/26/26 11:33	1
1,1'-Biphenyl	ND		1.0	0.14	ug/L		05/22/26 01:33	05/26/26 11:33	1
Di-n-butyl phthalate	ND		1.0	0.38	ug/L		05/22/26 01:33	05/26/26 11:33	1
Caprolactam	ND		5.0	0.68	ug/L		05/22/26 01:33	05/26/26 11:33	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		05/22/26 01:33	05/26/26 11:33	1
Fluoranthene	ND		0.19	0.060	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Chlorophenol	ND		1.0	0.23	ug/L		05/22/26 01:33	05/26/26 11:33	1
Fluorene	ND		0.19	0.069	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Methylphenol	ND		1.0	0.56	ug/L		05/22/26 01:33	05/26/26 11:33	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		05/22/26 01:33	05/26/26 11:33	1
Hexachlorobutadiene	ND		0.19	0.16	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		05/22/26 01:33	05/26/26 11:33	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		05/22/26 01:33	05/26/26 11:33	1
Hexachloroethane	ND		1.0	0.32	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		05/22/26 01:33	05/26/26 11:33	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		05/22/26 01:33	05/26/26 11:33	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		05/22/26 01:33	05/26/26 11:33	1
Isophorone	ND		1.0	0.19	ug/L		05/22/26 01:33	05/26/26 11:33	1
2-Nitrophenol	ND		1.0	0.19	ug/L		05/22/26 01:33	05/26/26 11:33	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		05/22/26 01:33	05/26/26 11:33	1
4-Nitrophenol	ND		5.0	0.94	ug/L		05/22/26 01:33	05/26/26 11:33	1
Naphthalene	ND		0.19	0.059	ug/L		05/22/26 01:33	05/26/26 11:33	1
Nitrobenzene	ND		2.0	0.50	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		05/22/26 01:33	05/26/26 11:33	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		05/22/26 01:33	05/26/26 11:33	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		05/22/26 01:33	05/26/26 11:33	1
N-Nitrosodiphenylamine	ND		1.0	0.25	ug/L		05/22/26 01:33	05/26/26 11:33	1
Pentachlorophenol	ND		5.0	0.85	ug/L		05/22/26 01:33	05/26/26 11:33	1
Phenanthrene	ND		0.19	0.16	ug/L		05/22/26 01:33	05/26/26 11:33	1
Phenol	ND		1.0	0.49	ug/L		05/22/26 01:33	05/26/26 11:33	1
Pyrene	ND		0.19	0.11	ug/L		05/22/26 01:33	05/26/26 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*20 - 105*	*05/22/26 01:33*	*05/26/26 11:33*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 105*	*05/22/26 01:33*	*05/26/26 11:33*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*23 - 128*	*05/22/26 01:33*	*05/26/26 11:33*	*1*
Nitrobenzene-d5 (Surr)	*57*		*20 - 107*	*05/22/26 01:33*	*05/26/26 11:33*	*1*
Phenol-d5 (Surr)	*58*		*20 - 106*	*05/22/26 01:33*	*05/26/26 11:33*	*1*

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-514114/1-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514114

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	56		22 - 120	05/22/26 01:33	05/26/26 11:33	1

Lab Sample ID: LCS 180-514114/2-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,2'-oxybis[1-chloropropane]	20.0	11.4		ug/L		57	29 - 102
2-Chloronaphthalene	20.0	12.3		ug/L		62	52 - 100
3,3'-Dichlorobenzidine	20.0	14.1		ug/L		71	42 - 100
4-Bromophenyl phenyl ether	20.0	12.6		ug/L		63	50 - 100
4-Chloroaniline	20.0	11.5		ug/L		58	48 - 100
2,4-Dinitrotoluene	20.0	14.3		ug/L		71	56 - 100
4-Chlorophenyl phenyl ether	20.0	12.8		ug/L		64	52 - 100
2,6-Dinitrotoluene	20.0	13.1		ug/L		65	56 - 101
Acenaphthene	20.0	11.7		ug/L		58	51 - 100
Acenaphthylene	20.0	11.8		ug/L		59	54 - 100
Anthracene	20.0	12.4		ug/L		62	54 - 100
Benzo[a]anthracene	20.0	12.1		ug/L		60	52 - 100
Benzo[a]pyrene	20.0	11.7		ug/L		59	52 - 100
2-Methylnaphthalene	20.0	12.3		ug/L		62	53 - 100
Benzo[b]fluoranthene	20.0	11.9		ug/L		59	50 - 100
Benzo[g,h,i]perylene	20.0	12.2		ug/L		61	53 - 100
2-Nitroaniline	20.0	13.2		ug/L		66	47 - 104
Benzo[k]fluoranthene	20.0	12.2		ug/L		61	49 - 100
3-Nitroaniline	20.0	12.6		ug/L		63	54 - 100
Bis(2-chloroethoxy)methane	20.0	10.8		ug/L		54	49 - 100
4-Nitroaniline	20.0	12.8		ug/L		64	54 - 100
Bis(2-chloroethyl)ether	20.0	13.3		ug/L		67	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	12.5		ug/L		63	52 - 101
Butyl benzyl phthalate	20.0	12.5		ug/L		63	52 - 100
Chrysene	20.0	11.7		ug/L		59	51 - 100
Carbazole	20.0	12.2		ug/L		61	55 - 100
Dibenz(a,h)anthracene	20.0	13.4		ug/L		67	52 - 101
Acetophenone	20.0	13.0		ug/L		65	46 - 100
Dibenzofuran	20.0	12.2		ug/L		61	53 - 100
Atrazine	20.0	13.4		ug/L		67	50 - 100
Diethyl phthalate	20.0	12.9		ug/L		65	52 - 100
Benzaldehyde	20.0	12.2		ug/L		61	25 - 114
Dimethyl phthalate	20.0	12.7		ug/L		63	55 - 100
1,1'-Biphenyl	20.0	12.2		ug/L		61	51 - 100
Di-n-butyl phthalate	20.0	13.0		ug/L		65	57 - 100
Caprolactam	20.0	12.9		ug/L		64	46 - 111
Di-n-octyl phthalate	20.0	12.3		ug/L		62	41 - 100
4-Chloro-3-methylphenol	20.0	13.2		ug/L		66	47 - 105
Fluoranthene	20.0	12.6		ug/L		63	56 - 100
2-Chlorophenol	20.0	13.1		ug/L		66	53 - 100
Fluorene	20.0	12.0		ug/L		60	53 - 100

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-514114/2-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514114

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylphenol			20.0	12.9		ug/L		65	51 - 100		
Hexachlorobenzene			20.0	13.2		ug/L		66	46 - 100		
Hexachlorobutadiene			20.0	13.5		ug/L		67	42 - 101		
2,4-Dichlorophenol			20.0	13.2		ug/L		66	55 - 100		
Hexachlorocyclopentadiene			20.0	12.1		ug/L		60	38 - 102		
2,4-Dimethylphenol			20.0	13.3		ug/L		66	51 - 100		
Hexachloroethane			20.0	12.6		ug/L		63	46 - 100		
2,4-Dinitrophenol			40.0	25.3		ug/L		63	32 - 100		
Indeno[1,2,3-cd]pyrene			20.0	13.4		ug/L		67	54 - 100		
4,6-Dinitro-2-methylphenol			40.0	28.0		ug/L		70	48 - 100		
Isophorone			20.0	12.7		ug/L		63	50 - 100		
2-Nitrophenol			20.0	13.7		ug/L		69	56 - 100		
Methylphenol, 3 & 4			20.0	13.0		ug/L		65	51 - 100		
4-Nitrophenol			40.0	28.3		ug/L		71	37 - 120		
Naphthalene			20.0	12.2		ug/L		61	53 - 100		
Nitrobenzene			20.0	12.7		ug/L		64	47 - 100		
2,4,5-Trichlorophenol			20.0	13.4		ug/L		67	55 - 100		
N-Nitrosodi-n-propylamine			20.0	13.1		ug/L		65	43 - 103		
2,4,6-Trichlorophenol			20.0	13.0		ug/L		65	54 - 100		
N-Nitrosodiphenylamine			20.0	12.6		ug/L		63	53 - 100		
Pentachlorophenol			40.0	23.5		ug/L		59	35 - 102		
Phenanthrene			20.0	12.2		ug/L		61	53 - 100		
Phenol			20.0	12.9		ug/L		64	49 - 100		
Pyrene			20.0	11.8		ug/L		59	53 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*20 - 105*
2-Fluorophenol (Surr)	*67*		*20 - 105*
2,4,6-Tribromophenol (Surr)	*73*		*23 - 128*
Nitrobenzene-d5 (Surr)	*65*		*20 - 107*
Phenol-d5 (Surr)	*65*		*20 - 106*
Terphenyl-d14 (Surr)	*63*		*22 - 120*

Lab Sample ID: LCSD 180-514114/3-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514114

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2'-oxybis[1-chloropropane]			20.0	13.6	*1	ug/L		68	29 - 102	18	16
2-Chloronaphthalene			20.0	14.6	*1	ug/L		73	52 - 100	17	15
3,3'-Dichlorobenzidine			20.0	16.0		ug/L		80	42 - 100	12	15
4-Bromophenyl phenyl ether			20.0	15.0	*1	ug/L		75	50 - 100	17	15
4-Chloroaniline			20.0	13.0		ug/L		65	48 - 100	12	15
2,4-Dinitrotoluene			20.0	16.6		ug/L		83	56 - 100	15	16
4-Chlorophenyl phenyl ether			20.0	15.0		ug/L		75	52 - 100	16	16
2,6-Dinitrotoluene			20.0	15.1		ug/L		76	56 - 101	15	16
Acenaphthene			20.0	13.8	*1	ug/L		69	51 - 100	17	15
Acenaphthylene			20.0	13.6		ug/L		68	54 - 100	14	16

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-514114/3-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	20.0	14.3		ug/L		72	54 - 100	14	15
Benzo[a]anthracene	20.0	14.1	*1	ug/L		71	52 - 100	16	15
Benzo[a]pyrene	20.0	13.3		ug/L		67	52 - 100	13	16
2-Methylnaphthalene	20.0	14.4	*1	ug/L		72	53 - 100	16	15
Benzo[b]fluoranthene	20.0	13.4		ug/L		67	50 - 100	12	15
Benzo[g,h,i]perylene	20.0	13.9		ug/L		69	53 - 100	13	15
2-Nitroaniline	20.0	15.2		ug/L		76	47 - 104	14	18
Benzo[k]fluoranthene	20.0	13.9		ug/L		69	49 - 100	13	20
3-Nitroaniline	20.0	14.6		ug/L		73	54 - 100	15	15
Bis(2-chloroethoxy)methane	20.0	12.7	*1	ug/L		64	49 - 100	17	15
4-Nitroaniline	20.0	15.1	*1	ug/L		76	54 - 100	17	16
Bis(2-chloroethyl)ether	20.0	15.8		ug/L		79	46 - 100	17	17
Bis(2-ethylhexyl) phthalate	20.0	14.6		ug/L		73	52 - 101	15	15
Butyl benzyl phthalate	20.0	14.6		ug/L		73	52 - 100	15	15
Chrysene	20.0	13.7		ug/L		68	51 - 100	15	15
Carbazole	20.0	14.5	*1	ug/L		72	55 - 100	17	16
Dibenz(a,h)anthracene	20.0	15.2		ug/L		76	52 - 101	13	15
Acetophenone	20.0	15.1		ug/L		75	46 - 100	14	16
Dibenzofuran	20.0	14.4	*1	ug/L		72	53 - 100	17	16
Atrazine	20.0	15.8	*1	ug/L		79	50 - 100	17	15
Diethyl phthalate	20.0	15.3	*1	ug/L		76	52 - 100	17	15
Benzaldehyde	20.0	12.0		ug/L		60	25 - 114	2	16
Dimethyl phthalate	20.0	14.7		ug/L		73	55 - 100	15	15
1,1'-Biphenyl	20.0	14.2		ug/L		71	51 - 100	15	16
Di-n-butyl phthalate	20.0	15.3	*1	ug/L		77	57 - 100	16	15
Caprolactam	20.0	14.9		ug/L		74	46 - 111	14	16
Di-n-octyl phthalate	20.0	14.1		ug/L		71	41 - 100	14	17
4-Chloro-3-methylphenol	20.0	15.3		ug/L		77	47 - 105	15	18
Fluoranthene	20.0	14.9	*1	ug/L		74	56 - 100	17	15
2-Chlorophenol	20.0	15.3		ug/L		76	53 - 100	15	17
Fluorene	20.0	14.1		ug/L		70	53 - 100	16	17
2-Methylphenol	20.0	15.2		ug/L		76	51 - 100	16	16
Hexachlorobenzene	20.0	15.5	*1	ug/L		78	46 - 100	16	15
Hexachlorobutadiene	20.0	15.8	*1	ug/L		79	42 - 101	16	15
2,4-Dichlorophenol	20.0	15.0		ug/L		75	55 - 100	13	15
Hexachlorocyclopentadiene	20.0	14.2	*1	ug/L		71	38 - 102	17	16
2,4-Dimethylphenol	20.0	15.4		ug/L		77	51 - 100	14	16
Hexachloroethane	20.0	15.2	*1	ug/L		76	46 - 100	18	16
2,4-Dinitrophenol	40.0	29.7		ug/L		74	32 - 100	16	19
Indeno[1,2,3-cd]pyrene	20.0	15.2		ug/L		76	54 - 100	13	16
4,6-Dinitro-2-methylphenol	40.0	32.6		ug/L		81	48 - 100	15	15
Isophorone	20.0	14.4		ug/L		72	50 - 100	13	15
2-Nitrophenol	20.0	15.9		ug/L		80	56 - 100	15	15
Methylphenol, 3 & 4	20.0	15.6		ug/L		78	51 - 100	18	18
4-Nitrophenol	40.0	32.9		ug/L		82	37 - 120	15	18
Naphthalene	20.0	14.2	*1	ug/L		71	53 - 100	16	15
Nitrobenzene	20.0	14.8		ug/L		74	47 - 100	15	16
2,4,5-Trichlorophenol	20.0	15.6		ug/L		78	55 - 100	15	18
N-Nitrosodi-n-propylamine	20.0	15.3		ug/L		77	43 - 103	16	16

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-514114/3-A
Matrix: Water
Analysis Batch: 514196

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514114

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			20.0	15.3		ug/L		76	54 - 100	16	16
N-Nitrosodiphenylamine			20.0	14.7		ug/L		73	53 - 100	16	16
Pentachlorophenol			40.0	28.0		ug/L		70	35 - 102	17	17
Phenanthrene			20.0	14.1		ug/L		71	53 - 100	15	15
Phenol			20.0	15.1		ug/L		75	49 - 100	16	17
Pyrene			20.0	13.9	*1	ug/L		69	53 - 100	16	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*20 - 105*
2-Fluorophenol (Surr)	*79*		*20 - 105*
2,4,6-Tribromophenol (Surr)	*84*		*23 - 128*
Nitrobenzene-d5 (Surr)	*75*		*20 - 107*
Phenol-d5 (Surr)	*76*		*20 - 106*
Terphenyl-d14 (Surr)	*74*		*22 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-822721/5
Matrix: Water
Analysis Batch: 822721

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/22/26 19:02	1
Sulfate	ND		1.50	0.500	mg/L			05/22/26 19:02	1

Lab Sample ID: LCS 410-822721/3
Matrix: Water
Analysis Batch: 822721

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			3.00	2.866		mg/L		96	90 - 110		
Sulfate			7.50	6.894		mg/L		92	90 - 110		

Lab Sample ID: LCSD 410-822721/4
Matrix: Water
Analysis Batch: 822721

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.866		mg/L		96	90 - 110	0	20
Sulfate			7.50	6.892		mg/L		92	90 - 110	0	20

Lab Sample ID: MB 410-822771/103
Matrix: Water
Analysis Batch: 822771

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/22/26 17:35	1
Sulfate	ND		1.50	0.500	mg/L			05/22/26 17:35	1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-822771/101
Matrix: Water
Analysis Batch: 822771

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	3.021		mg/L		101	90 - 110
Sulfate	7.50	7.566		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-822771/102
Matrix: Water
Analysis Batch: 822771

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.00	3.019		mg/L		101	90 - 110	0	20
Sulfate	7.50	7.579		mg/L		101	90 - 110	0	20

Lab Sample ID: MB 410-823937/5
Matrix: Water
Analysis Batch: 823937

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/26/26 09:07	1
Sulfate	ND		1.50	0.500	mg/L			05/26/26 09:07	1

Lab Sample ID: LCS 410-823937/3
Matrix: Water
Analysis Batch: 823937

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.909		mg/L		97	90 - 110
Sulfate	7.50	7.282		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-823937/4
Matrix: Water
Analysis Batch: 823937

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.00	2.917		mg/L		97	90 - 110	0	20
Sulfate	7.50	7.333		mg/L		98	90 - 110	1	20

Lab Sample ID: MB 410-824099/5
Matrix: Water
Analysis Batch: 824099

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	0.600	mg/L			05/26/26 08:04	1
Sulfate	ND		1.50	0.500	mg/L			05/26/26 08:04	1

Lab Sample ID: LCS 410-824099/3
Matrix: Water
Analysis Batch: 824099

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.888		mg/L		96	90 - 110
Sulfate	7.50	7.085		mg/L		94	90 - 110

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-824099/4
Matrix: Water
Analysis Batch: 824099

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			3.00	2.804		mg/L		93	90 - 110	3	20
Sulfate			7.50	6.981		mg/L		93	90 - 110	1	20

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-822722/5
Matrix: Water
Analysis Batch: 822722

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/22/26 19:02	1

Lab Sample ID: LCS 410-822722/3
Matrix: Water
Analysis Batch: 822722

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			0.750	0.7116		mg/L		95	90 - 110

Lab Sample ID: LCSD 410-822722/4
Matrix: Water
Analysis Batch: 822722

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			0.750	0.7108		mg/L		95	90 - 110	0	20

Lab Sample ID: MB 410-822770/103
Matrix: Water
Analysis Batch: 822770

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/22/26 17:35	1

Lab Sample ID: LCS 410-822770/101
Matrix: Water
Analysis Batch: 822770

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			0.750	0.7593		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-822770/102
Matrix: Water
Analysis Batch: 822770

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			0.750	0.7583		mg/L		101	90 - 110	0	20

Method: EPA 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-205662-6 MS
Matrix: Water
Analysis Batch: 822770

Client Sample ID: MW-36S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	7.60	H H3 FH	5.00	13.15	FH	mg/L		111	90 - 110

Lab Sample ID: 180-205662-6 DU
Matrix: Water
Analysis Batch: 822770

Client Sample ID: MW-36S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	7.60	H H3 FH	7.614		mg/L		0.2	15

Lab Sample ID: MB 410-822867/5
Matrix: Water
Analysis Batch: 822867

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/22/26 15:11	1

Lab Sample ID: LCS 410-822867/3
Matrix: Water
Analysis Batch: 822867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.750	0.7192		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-822867/4
Matrix: Water
Analysis Batch: 822867

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.750	0.7192		mg/L		96	90 - 110	0	20

Lab Sample ID: 180-205662-9 MS
Matrix: Water
Analysis Batch: 822867

Client Sample ID: MW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	ND	H	2.50	2.351		mg/L		94	90 - 110

Lab Sample ID: 180-205662-9 DU
Matrix: Water
Analysis Batch: 822867

Client Sample ID: MW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate as N	ND	H	ND		mg/L		NC	15

Lab Sample ID: MB 410-823936/5
Matrix: Water
Analysis Batch: 823936

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.110	0.0500	mg/L			05/26/26 09:07	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: LCS 410-823936/3
Matrix: Water
Analysis Batch: 823936

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.750	0.7318		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-823936/4
Matrix: Water
Analysis Batch: 823936

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.750	0.7336		mg/L		98	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-825872/1-A
Matrix: Water
Analysis Batch: 826540

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 825872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		25	12	ug/L		05/29/26 08:50	05/29/26 17:07	1
Antimony	ND		1.0	0.20	ug/L		05/29/26 08:50	05/29/26 17:07	1
Arsenic	ND		2.0	0.68	ug/L		05/29/26 08:50	05/29/26 17:07	1
Barium	ND		2.0	0.75	ug/L		05/29/26 08:50	05/29/26 17:07	1
Beryllium	ND		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 17:07	1
Cadmium	ND		0.50	0.15	ug/L		05/29/26 08:50	05/29/26 17:07	1
Calcium	ND		120	50	ug/L		05/29/26 08:50	05/29/26 17:07	1
Chromium	ND		2.0	0.55	ug/L		05/29/26 08:50	05/29/26 17:07	1
Cobalt	ND		0.50	0.16	ug/L		05/29/26 08:50	05/29/26 17:07	1
Copper	ND		1.0	0.85	ug/L		05/29/26 08:50	05/29/26 17:07	1
Iron	ND		50	20	ug/L		05/29/26 08:50	05/29/26 17:07	1
Lead	ND		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 17:07	1
Magnesium	ND		50	16	ug/L		05/29/26 08:50	05/29/26 17:07	1
Manganese	ND		2.0	0.95	ug/L		05/29/26 08:50	05/29/26 17:07	1
Nickel	ND		1.0	0.40	ug/L		05/29/26 08:50	05/29/26 17:07	1
Potassium	ND		200	65	ug/L		05/29/26 08:50	05/29/26 17:07	1
Selenium	ND		1.0	0.28	ug/L		05/29/26 08:50	05/29/26 17:07	1
Silver	ND		0.50	0.10	ug/L		05/29/26 08:50	05/29/26 17:07	1
Sodium	ND		200	90	ug/L		05/29/26 08:50	05/29/26 17:07	1
Thallium	ND		0.50	0.13	ug/L		05/29/26 08:50	05/29/26 17:07	1
Vanadium	ND		4.0	0.79	ug/L		05/29/26 08:50	05/29/26 17:07	1
Zinc	ND		10	4.0	ug/L		05/29/26 08:50	05/29/26 17:07	1

Lab Sample ID: LCS 410-825872/2-A
Matrix: Water
Analysis Batch: 826540

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 825872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5280		ug/L		106	83 - 114
Antimony	100	110		ug/L		110	85 - 115
Arsenic	500	538		ug/L		108	86 - 111
Barium	500	544		ug/L		109	86 - 114
Beryllium	50.0	52.8		ug/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-825872/2-A
Matrix: Water
Analysis Batch: 826540

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 825872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	50.0	53.6		ug/L		107	86 - 114
Calcium	5000	5230		ug/L		105	84 - 113
Chromium	500	504		ug/L		101	84 - 113
Cobalt	500	526		ug/L		105	85 - 112
Copper	500	501		ug/L		100	86 - 111
Iron	5000	5260		ug/L		105	84 - 114
Lead	50.0	54.4		ug/L		109	86 - 114
Magnesium	5000	5200		ug/L		104	84 - 113
Manganese	500	536		ug/L		107	84 - 113
Nickel	500	530		ug/L		106	85 - 113
Potassium	5000	5200		ug/L		104	87 - 111
Selenium	100	106		ug/L		106	86 - 111
Silver	50.0	54.6		ug/L		109	88 - 116
Sodium	5000	4770		ug/L		95	84 - 114
Thallium	100	109		ug/L		109	86 - 113
Vanadium	500	528		ug/L		106	84 - 112
Zinc	500	534		ug/L		107	86 - 112

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-824215/1-A
Matrix: Water
Analysis Batch: 825824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/28/26 17:01	05/28/26 21:13	1

Lab Sample ID: LCS 410-824215/2-A
Matrix: Water
Analysis Batch: 825824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.954		ug/L		95	80 - 120

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 410-830840/1
Matrix: Water
Analysis Batch: 830840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	127	129		Degrees F		102	90 - 110

Lab Sample ID: LCSD 410-830840/2
Matrix: Water
Analysis Batch: 830840

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Flashpoint	127	127		Degrees F		100	90 - 110	2	4

Method: 2310B-2011 - Acidity

Lab Sample ID: MB 410-824534/3
Matrix: Water
Analysis Batch: 824534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acidity as CaCO3 to pH 8.3	ND		15	12	mg/L			05/27/26 11:07	1

Lab Sample ID: LCS 410-824534/4
Matrix: Water
Analysis Batch: 824534

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acidity as CaCO3 to pH 8.3	250	226		mg/L		90	90 - 110

Lab Sample ID: LCSD 410-824534/5
Matrix: Water
Analysis Batch: 824534

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acidity as CaCO3 to pH 8.3	250	226		mg/L		90	90 - 110	0	10

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 410-829966/1-A
Matrix: Water
Analysis Batch: 830587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		90	20	mg/Kg		06/04/26 22:42	06/05/26 15:06	1

Lab Sample ID: LCS 410-829966/2-A
Matrix: Water
Analysis Batch: 830587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	41.0	J	mg/Kg		4	0 - 5.14

Lab Sample ID: 180-205662-5 MS
Matrix: Water
Analysis Batch: 830587

Client Sample ID: WW-1
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	ND	F2	1000	21.3	J	mg/Kg		2	0 - 44

Lab Sample ID: 180-205662-5 MSD
Matrix: Water
Analysis Batch: 830587

Client Sample ID: WW-1
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	ND	F2	1000	33.1	J F2	mg/Kg		3	0 - 44	43	11

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 410-829966/1-A
Matrix: Water
Analysis Batch: 830006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		160	54	mg/Kg		06/04/26 22:42	06/05/26 01:42	1

Lab Sample ID: LCS 410-829966/10-A
Matrix: Water
Analysis Batch: 830006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	537	493		mg/Kg		92	54 - 104

Lab Sample ID: 180-205662-5 MS
Matrix: Water
Analysis Batch: 830006

Client Sample ID: WW-1
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	100	J	537	641		mg/Kg		100	62 - 104

Lab Sample ID: 180-205662-5 MSD
Matrix: Water
Analysis Batch: 830006

Client Sample ID: WW-1
Prep Type: Total/NA
Prep Batch: 829966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	100	J	537	552		mg/Kg		83	62 - 104	15	21

Method: EPA 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 180-514096/7
Matrix: Water
Analysis Batch: 514096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	ND		0.85	0.05	NTU			05/21/26 12:05	1

Lab Sample ID: LCS 180-514096/8
Matrix: Water
Analysis Batch: 514096

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	0.850	0.85		NTU		100	90 - 110

Lab Sample ID: 180-205662-2 DU
Matrix: Water
Analysis Batch: 514096

Client Sample ID: MW-27S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Turbidity	4.1	H H3	4.0		NTU		3	20

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-514299/1
Matrix: Water
Analysis Batch: 514299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: LCS 180-514299/24
Matrix: Water
Analysis Batch: 514299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	99 - 101

Lab Sample ID: LCS 180-514359/1
Matrix: Water
Analysis Batch: 514359

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	99 - 101

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 180-514175/1
Matrix: Water
Analysis Batch: 514175

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			05/22/26 15:22	1

Lab Sample ID: LCS 180-514175/2
Matrix: Water
Analysis Batch: 514175

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	84.0	86.8		umhos/cm		103	90 - 110

Lab Sample ID: 180-205662-7 DU
Matrix: Water
Analysis Batch: 514175

Client Sample ID: MW-36D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	2500		2510		umhos/cm		0	20

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

Lab Sample ID: MB 180-514181/1
Matrix: Water
Analysis Batch: 514181

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	10	mg/L			05/22/26 17:57	1

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

Lab Sample ID: LCS 180-514181/2
Matrix: Water
Analysis Batch: 514181

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			653	642		mg/L		98	85 - 115		

Lab Sample ID: 180-205662-3 DU
Matrix: Water
Analysis Batch: 514181

Client Sample ID: MW-34S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1100			1090		mg/L				1	10

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-514351/26
Matrix: Water
Analysis Batch: 514351

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		5.0	5.0	mg/L			05/28/26 12:22	1

Lab Sample ID: LCS 180-514351/25
Matrix: Water
Analysis Batch: 514351

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	238		mg/L		95	90 - 110		

Lab Sample ID: 180-205662-2 DU
Matrix: Water
Analysis Batch: 514351

Client Sample ID: MW-27S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	400			386		mg/L				3	20

GC/MS VOA

Leach Batch: 823054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	TCLP	Water	1311	
LB 410-823054/1-A	Method Blank	TCLP	Water	1311	

Analysis Batch: 827683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total/NA	Water	8260D	
180-205662-2	MW-27S	Total/NA	Water	8260D	
180-205662-3	MW-34S	Total/NA	Water	8260D	
180-205662-4	MW-34D	Total/NA	Water	8260D	
180-205662-5	WW-1	Total/NA	Water	8260D	
180-205662-6	MW-36S	Total/NA	Water	8260D	
180-205662-7	MW-36D	Total/NA	Water	8260D	
180-205662-8	MW-10S	Total/NA	Water	8260D	
180-205662-9	MW-10D	Total/NA	Water	8260D	
180-205662-10	TB-7	Total/NA	Water	8260D	
MB 410-827683/6	Method Blank	Total/NA	Water	8260D	
LCS 410-827683/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 829323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2 - DL	MW-27S	Total/NA	Water	8260D	
MB 410-829323/6	Method Blank	Total/NA	Water	8260D	
LCS 410-829323/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 829822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 410-823054/1-A	Method Blank	TCLP	Water	8260D	823054
MB 410-829822/6	Method Blank	Total/NA	Water	8260D	
LCS 410-829822/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 829846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-3 - DL	MW-34S	Total/NA	Water	8260D	
180-205662-6 - DL	MW-36S	Total/NA	Water	8260D	
180-205662-7 - DL	MW-36D	Total/NA	Water	8260D	
180-205662-9 - DL	MW-10D	Total/NA	Water	8260D	
MB 410-829846/10	Method Blank	Total/NA	Water	8260D	
LCS 410-829846/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-829846/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 830104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-8 - RA	MW-10S	Total/NA	Water	8260D	
180-205662-10 - RA	TB-7	Total/NA	Water	8260D	
MB 410-830104/10	Method Blank	Total/NA	Water	8260D	
LCS 410-830104/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-830104/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 830119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	TCLP	Water	8260D	823054

GC/MS VOA (Continued)

Analysis Batch: 830119 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-830119/7	Method Blank	Total/NA	Water	8260D	
LCS 410-830119/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 514114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total/NA	Water	3520C	
180-205662-2	MW-27S	Total/NA	Water	3520C	
180-205662-3	MW-34S	Total/NA	Water	3520C	
180-205662-4	MW-34D	Total/NA	Water	3520C	
180-205662-5	WW-1	Total/NA	Water	3520C	
180-205662-6	MW-36S	Total/NA	Water	3520C	
180-205662-7	MW-36D	Total/NA	Water	3520C	
180-205662-8	MW-10S	Total/NA	Water	3520C	
180-205662-9	MW-10D	Total/NA	Water	3520C	
MB 180-514114/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-514114/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 180-514114/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 514196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-514114/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	514114
LCS 180-514114/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	514114
LCSD 180-514114/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270E LL	514114

Analysis Batch: 514261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total/NA	Water	EPA 8270E LL	514114

Analysis Batch: 514323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	EPA 8270E LL	514114
180-205662-3	MW-34S	Total/NA	Water	EPA 8270E LL	514114
180-205662-4	MW-34D	Total/NA	Water	EPA 8270E LL	514114
180-205662-5	WW-1	Total/NA	Water	EPA 8270E LL	514114
180-205662-6	MW-36S	Total/NA	Water	EPA 8270E LL	514114
180-205662-7	MW-36D	Total/NA	Water	EPA 8270E LL	514114
180-205662-8	MW-10S	Total/NA	Water	EPA 8270E LL	514114
180-205662-9	MW-10D	Total/NA	Water	EPA 8270E LL	514114

HPLC/IC

Analysis Batch: 822721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-4	MW-34D	Total/NA	Water	9056A	
180-205662-8	MW-10S	Total/NA	Water	9056A	
MB 410-822721/5	Method Blank	Total/NA	Water	9056A	
LCS 410-822721/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-822721/4	Lab Control Sample Dup	Total/NA	Water	9056A	

HPLC/IC

Analysis Batch: 822722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-4	MW-34D	Total/NA	Water	EPA 9056A	
180-205662-8	MW-10S	Total/NA	Water	EPA 9056A	
MB 410-822722/5	Method Blank	Total/NA	Water	EPA 9056A	
LCS 410-822722/3	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCSD 410-822722/4	Lab Control Sample Dup	Total/NA	Water	EPA 9056A	

Analysis Batch: 822770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	EPA 9056A	
180-205662-3	MW-34S	Total/NA	Water	EPA 9056A	
180-205662-6	MW-36S	Total/NA	Water	EPA 9056A	
180-205662-7	MW-36D	Total/NA	Water	EPA 9056A	
MB 410-822770/103	Method Blank	Total/NA	Water	EPA 9056A	
LCS 410-822770/101	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCSD 410-822770/102	Lab Control Sample Dup	Total/NA	Water	EPA 9056A	
180-205662-6 MS	MW-36S	Total/NA	Water	EPA 9056A	
180-205662-6 DU	MW-36S	Total/NA	Water	EPA 9056A	

Analysis Batch: 822771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	9056A	
180-205662-2	MW-27S	Total/NA	Water	9056A	
180-205662-3	MW-34S	Total/NA	Water	9056A	
180-205662-7	MW-36D	Total/NA	Water	9056A	
MB 410-822771/103	Method Blank	Total/NA	Water	9056A	
LCS 410-822771/101	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-822771/102	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 822867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-9	MW-10D	Total/NA	Water	EPA 9056A	
MB 410-822867/5	Method Blank	Total/NA	Water	EPA 9056A	
LCS 410-822867/3	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCSD 410-822867/4	Lab Control Sample Dup	Total/NA	Water	EPA 9056A	
180-205662-9 MS	MW-10D	Total/NA	Water	EPA 9056A	
180-205662-9 DU	MW-10D	Total/NA	Water	EPA 9056A	

Analysis Batch: 823936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-9	MW-10D	Total/NA	Water	EPA 9056A	
MB 410-823936/5	Method Blank	Total/NA	Water	EPA 9056A	
LCS 410-823936/3	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCSD 410-823936/4	Lab Control Sample Dup	Total/NA	Water	EPA 9056A	

Analysis Batch: 823937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-9	MW-10D	Total/NA	Water	9056A	
MB 410-823937/5	Method Blank	Total/NA	Water	9056A	
LCS 410-823937/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-823937/4	Lab Control Sample Dup	Total/NA	Water	9056A	

HPLC/IC

Analysis Batch: 824099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-3	MW-34S	Total/NA	Water	9056A	
180-205662-6	MW-36S	Total/NA	Water	9056A	
180-205662-6	MW-36S	Total/NA	Water	9056A	
180-205662-7	MW-36D	Total/NA	Water	9056A	
MB 410-824099/5	Method Blank	Total/NA	Water	9056A	
LCS 410-824099/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-824099/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 824215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total/NA	Water	7470A	
180-205662-5	WW-1	Total/NA	Water	7470A	
MB 410-824215/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-824215/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 825824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total/NA	Water	7470A	824215
180-205662-5	WW-1	Total/NA	Water	7470A	824215
MB 410-824215/1-A	Method Blank	Total/NA	Water	7470A	824215
LCS 410-824215/2-A	Lab Control Sample	Total/NA	Water	7470A	824215

Prep Batch: 825872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total Recoverable	Water	3005A	
180-205662-5	WW-1	Total Recoverable	Water	3005A	
MB 410-825872/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-825872/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 826540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-1	FB-1	Total Recoverable	Water	6020B	825872
180-205662-5	WW-1	Total Recoverable	Water	6020B	825872
MB 410-825872/1-A	Method Blank	Total Recoverable	Water	6020B	825872
LCS 410-825872/2-A	Lab Control Sample	Total Recoverable	Water	6020B	825872

General Chemistry

Analysis Batch: 514096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	EPA 180.1	
180-205662-3	MW-34S	Total/NA	Water	EPA 180.1	
180-205662-4	MW-34D	Total/NA	Water	EPA 180.1	
180-205662-6	MW-36S	Total/NA	Water	EPA 180.1	
180-205662-7	MW-36D	Total/NA	Water	EPA 180.1	
180-205662-8	MW-10S	Total/NA	Water	EPA 180.1	
180-205662-9	MW-10D	Total/NA	Water	EPA 180.1	
MB 180-514096/7	Method Blank	Total/NA	Water	EPA 180.1	
LCS 180-514096/8	Lab Control Sample	Total/NA	Water	EPA 180.1	
180-205662-2 DU	MW-27S	Total/NA	Water	EPA 180.1	

General Chemistry

Analysis Batch: 514175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	SM 2510B	
180-205662-3	MW-34S	Total/NA	Water	SM 2510B	
180-205662-4	MW-34D	Total/NA	Water	SM 2510B	
180-205662-6	MW-36S	Total/NA	Water	SM 2510B	
180-205662-7	MW-36D	Total/NA	Water	SM 2510B	
180-205662-8	MW-10S	Total/NA	Water	SM 2510B	
180-205662-9	MW-10D	Total/NA	Water	SM 2510B	
MB 180-514175/1	Method Blank	Total/NA	Water	SM 2510B	
LCS 180-514175/2	Lab Control Sample	Total/NA	Water	SM 2510B	
180-205662-7 DU	MW-36D	Total/NA	Water	SM 2510B	

Analysis Batch: 514181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	SM 2540C	
180-205662-3	MW-34S	Total/NA	Water	SM 2540C	
180-205662-4	MW-34D	Total/NA	Water	SM 2540C	
180-205662-6	MW-36S	Total/NA	Water	SM 2540C	
180-205662-7	MW-36D	Total/NA	Water	SM 2540C	
180-205662-8	MW-10S	Total/NA	Water	SM 2540C	
180-205662-9	MW-10D	Total/NA	Water	SM 2540C	
MB 180-514181/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-514181/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-205662-3 DU	MW-34S	Total/NA	Water	SM 2540C	

Analysis Batch: 514299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	EPA 9040C	
180-205662-3	MW-34S	Total/NA	Water	EPA 9040C	
180-205662-4	MW-34D	Total/NA	Water	EPA 9040C	
180-205662-6	MW-36S	Total/NA	Water	EPA 9040C	
180-205662-7	MW-36D	Total/NA	Water	EPA 9040C	
180-205662-8	MW-10S	Total/NA	Water	EPA 9040C	
180-205662-9	MW-10D	Total/NA	Water	EPA 9040C	
LCS 180-514299/1	Lab Control Sample	Total/NA	Water	EPA 9040C	
LCS 180-514299/24	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 514351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	SM2320 B	
180-205662-3	MW-34S	Total/NA	Water	SM2320 B	
180-205662-4	MW-34D	Total/NA	Water	SM2320 B	
180-205662-6	MW-36S	Total/NA	Water	SM2320 B	
180-205662-7	MW-36D	Total/NA	Water	SM2320 B	
180-205662-8	MW-10S	Total/NA	Water	SM2320 B	
180-205662-9	MW-10D	Total/NA	Water	SM2320 B	
MB 180-514351/26	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-514351/25	Lab Control Sample	Total/NA	Water	SM2320 B	
180-205662-2 DU	MW-27S	Total/NA	Water	SM2320 B	

General Chemistry

Analysis Batch: 514359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	Total/NA	Water	EPA 9040C	
LCS 180-514359/1	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 824534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-2	MW-27S	Total/NA	Water	2310B-2011	
180-205662-3	MW-34S	Total/NA	Water	2310B-2011	
180-205662-4	MW-34D	Total/NA	Water	2310B-2011	
180-205662-6	MW-36S	Total/NA	Water	2310B-2011	
180-205662-7	MW-36D	Total/NA	Water	2310B-2011	
180-205662-8	MW-10S	Total/NA	Water	2310B-2011	
180-205662-9	MW-10D	Total/NA	Water	2310B-2011	
MB 410-824534/3	Method Blank	Total/NA	Water	2310B-2011	
LCS 410-824534/4	Lab Control Sample	Total/NA	Water	2310B-2011	
LCSD 410-824534/5	Lab Control Sample Dup	Total/NA	Water	2310B-2011	

Prep Batch: 829966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	Total/NA	Water	7.3.4	
MB 410-829966/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 410-829966/10-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCS 410-829966/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
180-205662-5 MS	WW-1	Total/NA	Water	7.3.4	
180-205662-5 MS	WW-1	Total/NA	Water	7.3.4	
180-205662-5 MSD	WW-1	Total/NA	Water	7.3.4	
180-205662-5 MSD	WW-1	Total/NA	Water	7.3.4	

Analysis Batch: 830006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	Total/NA	Water	9034	829966
MB 410-829966/1-A	Method Blank	Total/NA	Water	9034	829966
LCS 410-829966/10-A	Lab Control Sample	Total/NA	Water	9034	829966
180-205662-5 MS	WW-1	Total/NA	Water	9034	829966
180-205662-5 MSD	WW-1	Total/NA	Water	9034	829966

Analysis Batch: 830587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	Total/NA	Water	9012	829966
MB 410-829966/1-A	Method Blank	Total/NA	Water	9012	829966
LCS 410-829966/2-A	Lab Control Sample	Total/NA	Water	9012	829966
180-205662-5 MS	WW-1	Total/NA	Water	9012	829966
180-205662-5 MSD	WW-1	Total/NA	Water	9012	829966

Analysis Batch: 830840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-205662-5	WW-1	Total/NA	Water	1010B	
LCS 410-830840/1	Lab Control Sample	Total/NA	Water	1010B	
LCSD 410-830840/2	Lab Control Sample Dup	Total/NA	Water	1010B	

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238-2907
phone 412.963.7058 fax 412.963.2468

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Chris Kupfer	Site Contact: Dave Gaviglia	Date:	COC No:
Michael Baker International, Inc.	Email: Ckupfer@mbakerintl.com	Lab Contact: Andy Johnson	Carrier: Hand Delivered	1 of 1 COCs
100 Airside Drive	Tel/Fax: 724-457-8910			TALS Project #:
Moon Twp., PA 15108	Analysis Turnaround Time			Sampler: Dave Gaviglia
412-269-6300	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
	TAT if different from Below			Walk-in Client:
Project Name: 2026 Groundwater Investigation	☑ 2 weeks			Lab Sampling:
Site: Erie Coke Works	☐ 1 week			Job / SDG No.:
P O #: 208908	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs 8260D	SVOCs 8270E	General Chemistry	Total Metals & Hg (6010D/7471B)	Diss. Metals (6010D/7471B)	pH	TCLP VOCs 8260D	VOCs 8260D	SVOCs 8270E	Total Metals + Hg	pH	Flashpoint	Reactive Cyanide	Reactive Sulfide	Sample Specific Notes:
FB-1	5/19/26	0800	G	~~W~~ GW		X	X		X											
MW-27S		0820		GW		X	X	X												"Hot" Sample
MW-34S		1030				X	X	X												
MW-34D		1250				X	X	X												
WW-1		1500		W								X	X	X	X	X		X		
MW-36S		0910		GW		X	X	X												
MW-36D		1055				X	X	X												
MW-10S		1250				X	X	X												
MW-10D		1515				X	X	X												
TB-7	—	—	—	—		X														

180-205662 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

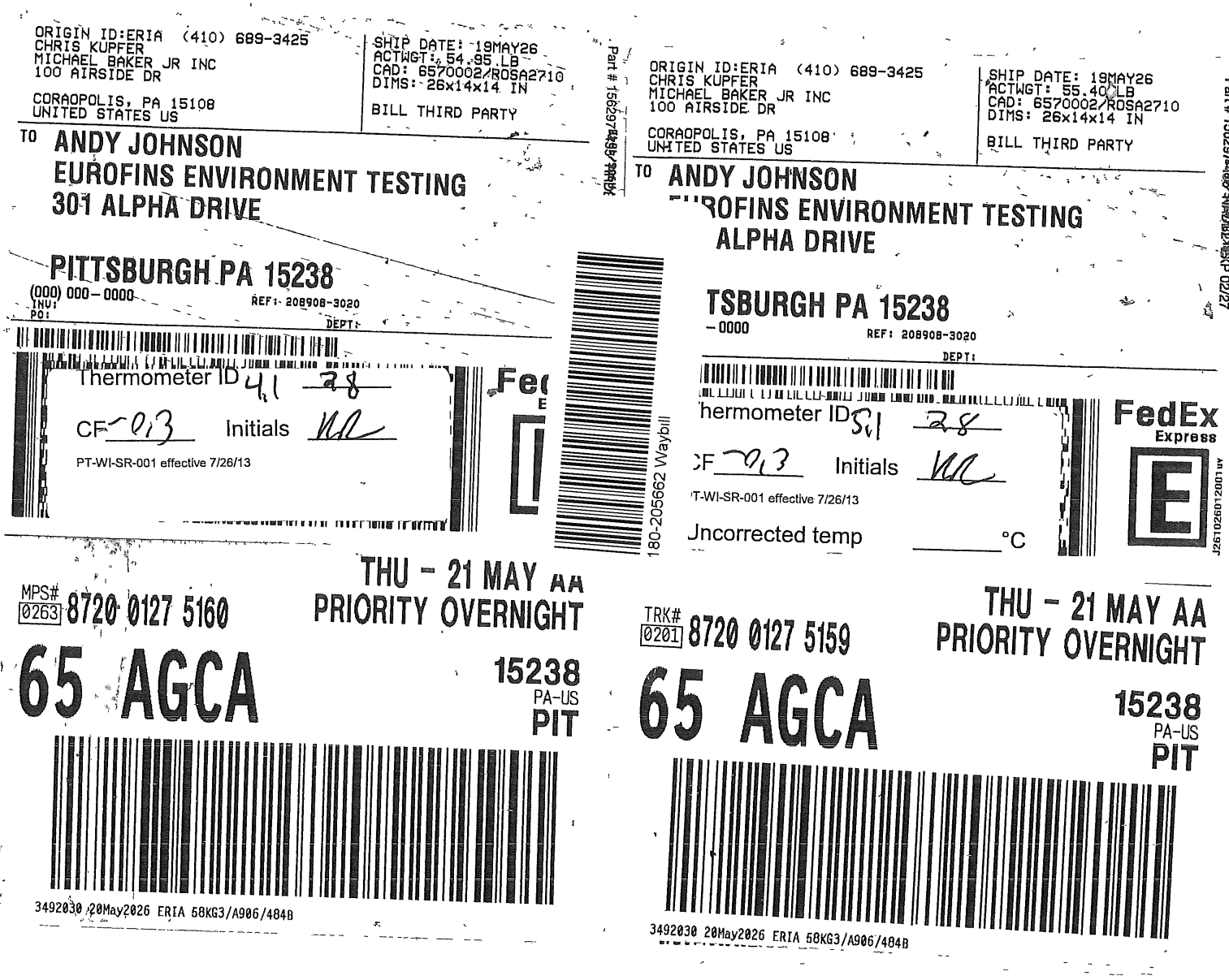
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Standard TAT

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by:	Company: Michael Baker Intl.	Date/Time: 5/19/26 1700	Received by:	Company:	Date/Time: 5-21-26 0940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:



ORIGIN ID:ERIA (410) 689-3425
CHRIS KUPFER
MICHAEL BAKER JR INC
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 19MAY26
ACTWGT: 54.95 LB
CAD: 6570002/ROSA2710
DIMS: 26x14x14 IN

BILL THIRD PARTY

TO ANDY JOHNSON
EUROFINS ENVIRONMENT TESTING
301 ALPHA DRIVE

PITTSBURGH PA 15238
(000) 000-0000
INV:
PO:
REF: 208908-3020
DEPT:

Thermometer ID 41 28
CF 0.3 Initials
PT-WI-SR-001 effective 7/26/13

180-205662 Waybill

MPS# 0263 8720 0127 5160

THU - 21 MAY AA
PRIORITY OVERNIGHT

65 AGCA

15238
PA-US
PIT

3492030 20May2026 ERIA 58KG3/A906/484B

ORIGIN ID:ERIA (410) 689-3425
CHRIS KUPFER
MICHAEL BAKER JR INC
100 AIRSIDE DR

CORAOPOLIS, PA 15108
UNITED STATES US

SHIP DATE: 19MAY26
ACTWGT: 55.40 LB
CAD: 6570002/ROSA2710
DIMS: 26x14x14 IN

BILL THIRD PARTY

TO ANDY JOHNSON
EUROFINS ENVIRONMENT TESTING
ALPHA DRIVE

TSBURGH PA 15238
-0000
REF: 208908-3020
DEPT:

hermometer ID 41 28
CF 0.3 Initials
T-WI-SR-001 effective 7/26/13
Uncorrected temp _____ °C

FedEx Express

TRK# 0201 8720 0127 5159

THU - 21 MAY AA
PRIORITY OVERNIGHT

65 AGCA

15238
PA-US
PIT

3492030 20May2026 ERIA 58KG3/A906/484B

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-557053.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205662-1
Address: 2425 New Holland Pike,	Due Date Requested: 6/4/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

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)	8260D_LL/5030CVOCs	6020B/3005ATAL Metals	7470A/7470A_PrepMercury	SM2310BAcidity	9056A_ORGFM_48H(MOD) Custom Analyte List	9056A_ORGFM_28D(MOD) Custom Analyte List	8260D/1311_ZTCLP VOCs	8260D/5030C_LeachTCLP VOCs	6020B/3005ARCRA Metals	9034_Reactive/7.3.4Sulfide, Reactive	1010BFlashpoint			Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
FB-1 (180-205662-1)	5/19/26	08:00 Eastern	G	Water			X	X	X											4	
MW-27S (180-205662-2)	5/19/26	08:20 Eastern	G	Water			X			X	X	X								4	
MW-34S (180-205662-3)	5/19/26	10:30 Eastern	G	Water			X			X	X	X								4	
MW-34D (180-205662-4)	5/19/26	12:50 Eastern	G	Water			X			X	X	X								4	
WW-1 (180-205662-5)	5/19/26	15:00 Eastern	G	Water			X		X				X	X	X	X	X			10	
MW-36S (180-205662-6)	5/19/26	09:10 Eastern	G	Water			X			X	X	X								4	
MW-36D (180-205662-7)	5/19/26	10:55 Eastern	G	Water			X			X	X	X								4	
MW-10S (180-205662-8)	5/19/26	12:50 Eastern	G	Water			X			X	X	X								4	
MW-10D (180-205662-9)	5/19/26	15:15 Eastern	G	Water			X			X	X	X								4	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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	James J. Hinkelman	5/21/26 14:00	ET, HWE	Brad Mann	5/21/26 1410	ET/O
2	Brad Mann	5/21/26 1800	ET/O			
3					5/21/26 1800	

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
✓ Yes △ No		2.3-4.6/2.4-4.7

Ver: 03/20/2026

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Johnson, Andy	Carrier Tracking No(s): N/A	COC No: 180-557053.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Andy.Johnson@et.eurofinsus.com	State of Origin: Pennsylvania	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Pennsylvania		Job #: 180-205662-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/4/2026			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Erie Coke Works	Project #: 18031431			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

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)	8260D_LL/5030CVOCs	6020B/3005ATAL Metals	7470A/7470A_PrepMercury	SM2310BAcidity	9056A_ORGFM_48H(MOD) Custom Analyte List	9056A_ORGFM_28D(MOD) Custom Analyte List	8260D/1311_ZTCLP VOCs	8260D/5030C_LeachTCLP VOCs	6020B/3005ARCRA Metals	9034_Reactive/7.3.4Sulfide, Reactive	1010BFlashpoint			Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
TB-7 (180-205662-10)	5/19/26	Eastern	G	Water			X													2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh 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 Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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: James J. Hinkelman	Date/Time: 5/21/26 1400	Company: ELPINE	Received by: Brad Mini	Date/Time: 5/21/26 1410	Company: ELPINE
Relinquished by: Brad Mini	Date/Time: 5/21/26 1800	Company: ELPINE	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/21/26 1840	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.3-4.6 / 2.4-4.7

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205662-1

Login Number: 205662

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	True	
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.	True	
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Michael Baker International, Inc.

Job Number: 180-205662-1

Login Number: 205662
List Number: 2
Creator: Martin, Elizabeth

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/22/26 01:50 AM

Question	Answer	Comment
The cooler's custody seal 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: WW-1

Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	16	ug/L			06/02/26 20:13	200
1,1,2,2-Tetrachloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:13	200
1,1,2-Trichloroethane	ND		100	16	ug/L			06/02/26 20:13	200
1,1-Dichloroethane	ND		100	20	ug/L			06/02/26 20:13	200
1,1-Dichloroethene	ND		100	20	ug/L			06/02/26 20:13	200
1,2,4-Trichlorobenzene	ND		100	30	ug/L			06/02/26 20:13	200
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/L			06/02/26 20:13	200
1,2-Dibromoethane	ND		100	16	ug/L			06/02/26 20:13	200
1,2-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
1,2-Dichloroethane	ND		100	34	ug/L			06/02/26 20:13	200
1,2-Dichloropropane	ND		100	20	ug/L			06/02/26 20:13	200
1,3-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
1,4-Dichlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
2-Butanone	ND		1000	500	ug/L			06/02/26 20:13	200
2-Hexanone	ND		1000	400	ug/L			06/02/26 20:13	200
4-Methyl-2-pentanone	ND		1000	200	ug/L			06/02/26 20:13	200
Acetone	ND		1000	300	ug/L			06/02/26 20:13	200
Benzene	**4500**		100	20	ug/L			06/02/26 20:13	200
Bromodichloromethane	ND		100	16	ug/L			06/02/26 20:13	200
Bromoform	ND		200	60	ug/L			06/02/26 20:13	200
Bromomethane	ND	^c	100	20	ug/L			06/02/26 20:13	200
Carbon disulfide	ND		200	20	ug/L			06/02/26 20:13	200
Carbon tetrachloride	ND		100	20	ug/L			06/02/26 20:13	200
Chlorobenzene	ND		100	14	ug/L			06/02/26 20:13	200
Chloroethane	ND	^c *+	100	20	ug/L			06/02/26 20:13	200
Chloroform	ND		100	18	ug/L			06/02/26 20:13	200
Chloromethane	ND		100	44	ug/L			06/02/26 20:13	200
cis-1,2-Dichloroethene	ND		100	16	ug/L			06/02/26 20:13	200
cis-1,3-Dichloropropene	ND		100	20	ug/L			06/02/26 20:13	200
Cyclohexane	ND		100	20	ug/L			06/02/26 20:13	200
Dibromochloromethane	ND		100	16	ug/L			06/02/26 20:13	200
Dichlorodifluoromethane	ND		100	44	ug/L			06/02/26 20:13	200
Ethylbenzene	ND		100	16	ug/L			06/02/26 20:13	200
Freon 113	ND		100	34	ug/L			06/02/26 20:13	200
Isopropylbenzene	ND		100	16	ug/L			06/02/26 20:13	200
Methyl acetate	ND		200	40	ug/L			06/02/26 20:13	200
Methyl tertiary butyl ether	ND		100	16	ug/L			06/02/26 20:13	200
Methylcyclohexane	ND		100	20	ug/L			06/02/26 20:13	200
Methylene Chloride	ND	*+	100	40	ug/L			06/02/26 20:13	200
Styrene	ND		100	14	ug/L			06/02/26 20:13	200
Tetrachloroethene	ND		100	40	ug/L			06/02/26 20:13	200
Toluene	**390**		100	16	ug/L			06/02/26 20:13	200
trans-1,2-Dichloroethene	ND		100	20	ug/L			06/02/26 20:13	200
trans-1,3-Dichloropropene	ND	^c *+	100	16	ug/L			06/02/26 20:13	200
Trichloroethene	ND		100	16	ug/L			06/02/26 20:13	200
Trichlorofluoromethane	ND	^c	100	20	ug/L			06/02/26 20:13	200
Vinyl chloride	ND		100	20	ug/L			06/02/26 20:13	200
Xylene (total)	**180**	**J**	200	14	ug/L			06/02/26 20:13	200

Client Sample ID: WW-1
Lab Sample ID: 180-205662-5
Date Collected: 05/19/26 15:00
Matrix: Water
Date Received: 05/21/26 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*06/02/26 20:13*	*200*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*06/02/26 20:13*	*200*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/02/26 20:13*	*200*
Toluene-d8 (Surr)	*112*		*80 - 120*		*06/02/26 20:13*	*200*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.8**		0.020	0.0060	mg/L			06/05/26 12:07	20
Carbon tetrachloride	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Chlorobenzene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Chloroform	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
1,1-Dichloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
1,2-Dichloroethane	**0.078**		0.020	0.0060	mg/L			06/05/26 12:07	20
2-Butanone	**0.016**	**J**	0.20	0.010	mg/L			06/05/26 12:07	20
Tetrachloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Trichloroethene	ND		0.020	0.0060	mg/L			06/05/26 12:07	20
Vinyl chloride	ND		0.020	0.0060	mg/L			06/05/26 12:07	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/05/26 12:07*	*20*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*06/05/26 12:07*	*20*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*06/05/26 12:07*	*20*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/05/26 12:07*	*20*

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.6**	***1**	0.91	0.31	ug/L		05/22/26 01:33	05/28/26 09:50	5
Acenaphthylene	**1.6**		0.91	0.31	ug/L		05/22/26 01:33	05/28/26 09:50	5
Anthracene	**0.64**	**J**	0.91	0.24	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[a]anthracene	ND	*1	0.91	0.36	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[a]pyrene	ND		0.91	0.62	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[b]fluoranthene	ND		0.91	0.47	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[g,h,i]perylene	ND		0.91	0.33	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzo[k]fluoranthene	ND		0.91	0.42	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-chloroethyl)ether	ND		0.91	0.67	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-chloroethoxy)methane	ND	*1	4.8	0.73	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,2'-oxybis[1-chloropropane]	ND	*1	0.91	0.58	ug/L		05/22/26 01:33	05/28/26 09:50	5
Bis(2-ethylhexyl) phthalate	ND		48	10	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Bromophenyl phenyl ether	ND	*1	4.8	1.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Butyl benzyl phthalate	ND		9.6	4.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chloroaniline	ND		4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Chloronaphthalene	ND	*1	0.91	0.28	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chlorophenyl phenyl ether	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
Chrysene	ND		0.91	0.39	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dibenz(a,h)anthracene	ND		0.91	0.35	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dibenzofuran	**2.4**	**J *1**	4.8	0.91	ug/L		05/22/26 01:33	05/28/26 09:50	5
Di-n-butyl phthalate	ND	*1	4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
3,3'-Dichlorobenzidine	ND		4.8	2.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
Diethyl phthalate	ND	*1	4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
Dimethyl phthalate	ND		9.6	0.96	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dinitrotoluene	ND		4.8	1.7	ug/L		05/22/26 01:33	05/28/26 09:50	5

Client Sample ID: WW-1
Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5
Matrix: Water

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		4.8	0.83	ug/L		05/22/26 01:33	05/28/26 09:50	5
Di-n-octyl phthalate	ND		4.8	3.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
Fluoranthene	**0.76**	**J *1**	0.91	0.29	ug/L		05/22/26 01:33	05/28/26 09:50	5
Fluorene	**2.8**		0.91	0.33	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorobenzene	ND	*1	0.91	0.27	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorobutadiene	ND	*1	0.91	0.75	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachlorocyclopentadiene	ND	*1	4.8	2.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
Hexachloroethane	ND	*1	4.8	1.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Indeno[1,2,3-cd]pyrene	ND		0.91	0.41	ug/L		05/22/26 01:33	05/28/26 09:50	5
Isophorone	ND		4.8	0.90	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Methylnaphthalene	**1.2**	***1**	0.91	0.30	ug/L		05/22/26 01:33	05/28/26 09:50	5
Naphthalene	**4.6**	***1**	0.91	0.28	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Nitroaniline	ND		24	2.6	ug/L		05/22/26 01:33	05/28/26 09:50	5
3-Nitroaniline	ND		24	2.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Nitroaniline	ND	*1	24	1.7	ug/L		05/22/26 01:33	05/28/26 09:50	5
Nitrobenzene	ND		9.6	2.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
N-Nitrosodi-n-propylamine	ND		0.91	0.34	ug/L		05/22/26 01:33	05/28/26 09:50	5
N-Nitrosodiphenylamine	ND		4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
Phenanthrene	**0.82**	**J**	0.91	0.75	ug/L		05/22/26 01:33	05/28/26 09:50	5
Pyrene	ND	*1	0.91	0.53	ug/L		05/22/26 01:33	05/28/26 09:50	5
Carbazole	**13**	***1**	0.91	0.25	ug/L		05/22/26 01:33	05/28/26 09:50	5
Acetophenone	**18**		4.8	0.76	ug/L		05/22/26 01:33	05/28/26 09:50	5
Atrazine	ND	*1	4.8	1.4	ug/L		05/22/26 01:33	05/28/26 09:50	5
Benzaldehyde	ND		4.8	2.6	ug/L		05/22/26 01:33	05/28/26 09:50	5
1,1'-Biphenyl	**0.88**	**J**	4.8	0.68	ug/L		05/22/26 01:33	05/28/26 09:50	5
Caprolactam	ND		24	3.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Chloro-3-methylphenol	ND		4.8	2.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Chlorophenol	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Methylphenol	**85**		4.8	2.7	ug/L		05/22/26 01:33	05/28/26 09:50	5
Methylphenol, 3 & 4	**30**		4.8	1.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dichlorophenol	ND		0.91	0.25	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dimethylphenol	**63**		4.8	2.8	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4-Dinitrophenol	ND		48	16	ug/L		05/22/26 01:33	05/28/26 09:50	5
4,6-Dinitro-2-methylphenol	ND		24	7.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
2-Nitrophenol	ND		4.8	0.93	ug/L		05/22/26 01:33	05/28/26 09:50	5
4-Nitrophenol	ND	^c	24	4.5	ug/L		05/22/26 01:33	05/28/26 09:50	5
Pentachlorophenol	ND		24	4.1	ug/L		05/22/26 01:33	05/28/26 09:50	5
Phenol	**57**		4.8	2.3	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4,5-Trichlorophenol	ND		4.8	1.2	ug/L		05/22/26 01:33	05/28/26 09:50	5
2,4,6-Trichlorophenol	ND		4.8	1.1	ug/L		05/22/26 01:33	05/28/26 09:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*20 - 105*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
2-Fluorophenol (Surr)	*43*		*20 - 105*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
2,4,6-Tribromophenol (Surr)	*62*		*23 - 128*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Nitrobenzene-d5 (Surr)	*45*		*20 - 107*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Phenol-d5 (Surr)	*47*		*20 - 106*	*05/22/26 01:33*	*05/28/26 09:50*	*5*
Terphenyl-d14 (Surr)	*51*		*22 - 120*	*05/22/26 01:33*	*05/28/26 09:50*	*5*

Client: Michael Baker International, Inc.
Project/Site: Erie Coke Works

Job ID: 180-205662-1

Client Sample ID: WW-1

Date Collected: 05/19/26 15:00
Date Received: 05/21/26 09:40

Lab Sample ID: 180-205662-5

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13**		2.0	0.68	ug/L		05/29/26 08:50	05/29/26 19:54	1
Barium	**200**		2.0	0.75	ug/L		05/29/26 08:50	05/29/26 19:54	1
Cadmium	**0.16**	**J**	0.50	0.15	ug/L		05/29/26 08:50	05/29/26 19:54	1
Chromium	**6.8**		2.0	0.55	ug/L		05/29/26 08:50	05/29/26 19:54	1
Lead	**6.9**		0.50	0.12	ug/L		05/29/26 08:50	05/29/26 19:54	1
Selenium	**12**		1.0	0.28	ug/L		05/29/26 08:50	05/29/26 19:54	1
Silver	ND		0.50	0.10	ug/L		05/29/26 08:50	05/29/26 19:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		05/28/26 17:01	05/28/26 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010B)	**>200**		50	50	Degrees F			06/06/26 12:00	1
Cyanide, Reactive (SW846 9012)	ND	F2	87	19	mg/Kg		06/04/26 22:42	06/05/26 15:09	1
Sulfide, Reactive (SW846 9034)	**100**	**J**	150	52	mg/Kg		06/04/26 22:42	06/05/26 01:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	**7.3**	**HF**	0.1	0.1	SU			05/28/26 13:57	1

Michael Baker
INTERNATIONAL

ATTACHMENT B

Waste Disposal Manifests

542237

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	PAD077478984	1	724-457-8910	028601169 JJK

GENERATOR

5. Generator's Name and Mailing Address: ATTN: CHRIS SABER
PADEP
230 CHESTNUT STREET MEADVILLE PA 16335
Generator's Phone: ( ) -

Generator's Site Address (if different than mailing address)
PADEP FORMER ERIE COKE
925 E BAY DR.
ERIE PA 16507

6. Transporter 1 Company Name: PENN OHIO CORPORATION — U.S. EPA ID Number: OHR000028837

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ROSS INCINERATION SERVICES INC
36790 GILES ROAD GRAFTON OH 44044
Facility's Phone: (440)748-5800 — U.S. EPA ID Number: OHD048415665

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (BENZENE), 9, PG III, RQ (D018)	4	DM	220	G	D018		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 182906 WID: 85578HWERG# 171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christopher Saber PADEP — Signature: [signature] — Month 7 Day 8 Year 26

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Paul M. Johnson — Signature: [signature] — Month 7 Day 8 Year 26

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Alyssa Novak — Signature: [signature] — Month 7 Day 13 Year 26

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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STRAIGHT BILL OF LADING – ORIGINAL – NOT NEGOTIABLE

Shipper's No. _____

Carrier PennOhio SCAC _____ Carrier's No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at _____, date _____ from _____

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: Consignee	The PennOhio Corporation	FROM: Shipper	Former ERIE COKE
Street	4813 Woodman Avenue	Street	925 E. Bay Drive
Destination	AShtabula OH Zip 44004	Origin	Erie PA 16507 Zip

Route

Delivering Carrier | Vehicle Number | U.S. DOT Hazmat Reg. Number

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
2		Returning 2 drums that were not used			

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

SHIPPER: Former Erie Coke, CARRIER: PennOhio

PER: _____ DATE: _____ PER: _____ DATE: 7/6/26

EMERGENCY RESPONSE TELEPHONE NUMBER:

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:

489 (Rev. 3/17)

1

Ticket: 981915 Driver: THOMAS BAKER Date Requested: 03/12/2026
Opened by: WMAUTOS Date Dispatched: 06/01/2026
Customer: 794-1417164 AMERICAN WASTE MANAGEMENT SERVICES
925 E BAY DR
ERIE PA 16507-2201
Contact: CHUCK FERRICK
814-434-4493
Requested by: 8144344493 Chuck Ferrick
Profile:

Load Type: DO NOT RETURN
Dump Site: LAKEVIEW LANDFILL Swappable? Y Mandate Disposal Site? N

Service	Quantity	T P	Yds	Waste Type	Job	Special Description
15 YD DEMOLITION	1.00	T	15	DEMO		DNR:1-15D

DNR:1-15D MARKED REMOVE AS CLOSE TO 9AM AS POSSIBLE

Signature: Chuck Ferrick Date: 6-1-26

Michael Baker
INTERNATIONAL

ATTACHMENT C

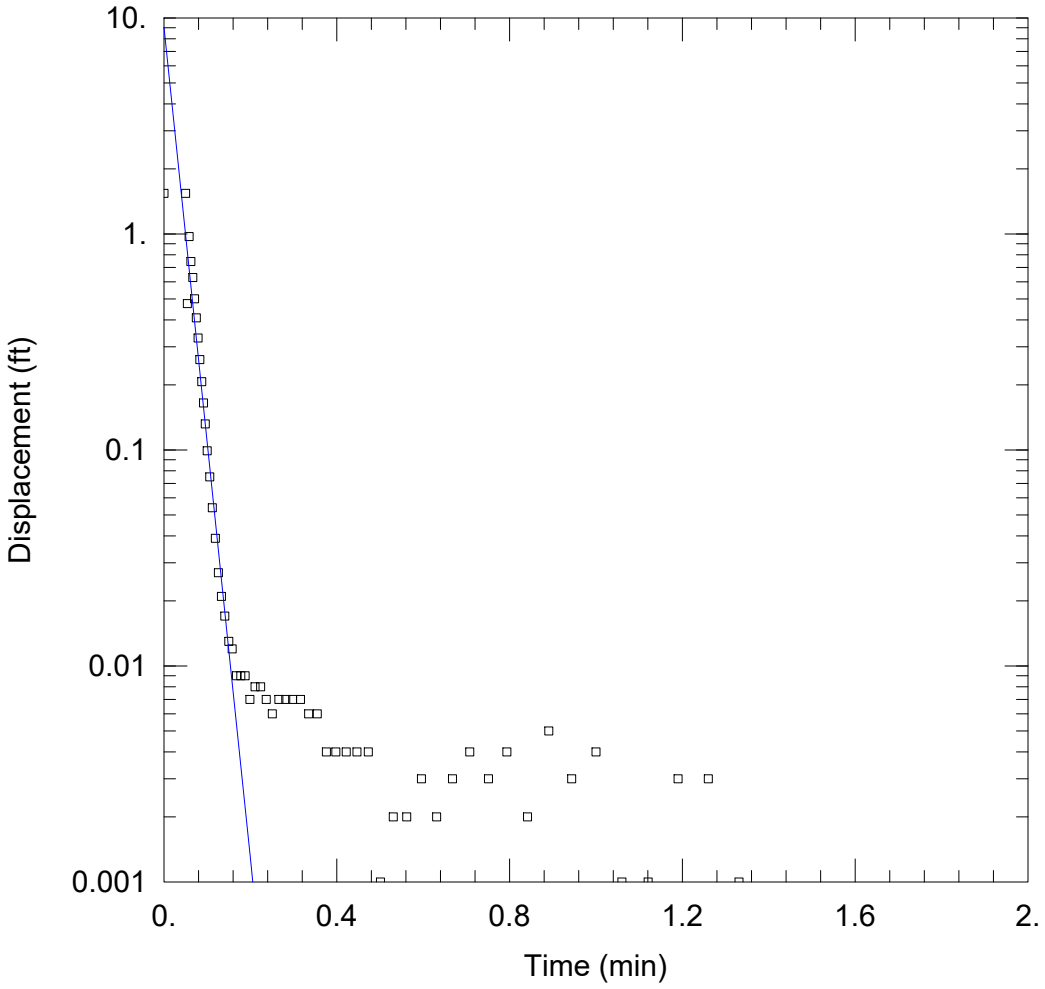
Aquifer Testing Data

Summary of Slug Test Results
Erie Coke Site

Monitoring Well	Date	Rising Head (feet/day)					Falling Head (feet/day)				Average Hydraulic Conductivity (feet/day)
		Short Slug Test #1	Short Slug Test #2	Short Slug Test #3	Long Slug Test #1	Long Slug Test #2	Short Slug Test #1	Short Slug Test #2	Long Slug Test #1	Long Slug Test #2	
Shallow Aquifer Wells (Groundwater Within Screened Interval)											
MW-1	5/26/2026	94.06	98.68	-	95.33	94.38					95.61
MW-5S	5/27/2026	17.30	18.30	-	14.85	-					16.82
MW-7	5/27/2026	19.15	-	-	20.45	21.80					20.47
MW-9S	5/27/2026	6.67	7.20	-	6.57	-					6.81
MW-17[(1)]	5/26/2026	11.54	11.44	11.00	-	-					11.33
MW-22S	5/27/2026	61.34	54.52	-	52.55	-					56.14
MW-28	5/26/2026	54.09	-	-	61.01	53.38					56.16
MW-33	5/27/2026	9.14	9.67	-	10.08	-					9.63
MW-37	5/26/2026	83.54	61.64	-	59.21	-					68.13
MW-44	5/26/2026	13.60	-	-	8.19	8.72					10.17
Shallow Aquifer Wells (Groundwater Above Screened Interval)											
MW-4	5/27/2026	2.07	2.72	-	3.12	-	4.64	3.40	4.68	-	3.44
MW-5D	5/20/2026	14.81	-	-	16.34	15.53	15.60	-	14.61	17.10	15.67
MW-18	5/27/2026	35.74	-	-	36.58	34.75	34.00	-	35.77	33.91	35.13
MW-22D	5/27/2026	97.81	-	-	81.53	-	56.91	-	38.90	-	68.79
MW-35D	5/20/2026	16.12	-	-	12.09	16.32	18.80	-	16.23	-	15.91
Average											**32.68**

* In accordance with the Approved Work Plan up to 3 tests were collected from each well. In some instances, additional tests were collected.
(1) No long slug tests were performed at MW-17 due to limited water in the well column.

Average Hydraulic Conductivity		
North Area	Former Coke Area	South Operations
48.28	**17.76**	**29.62**



MW-1 RISING HEAD - SHORT SLUG TEST 1

Data Set:
Date: 06/02/26 Time: 12:10:41

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-1 Rising Head
Test Date: 5/26/26

AQUIFER DATA

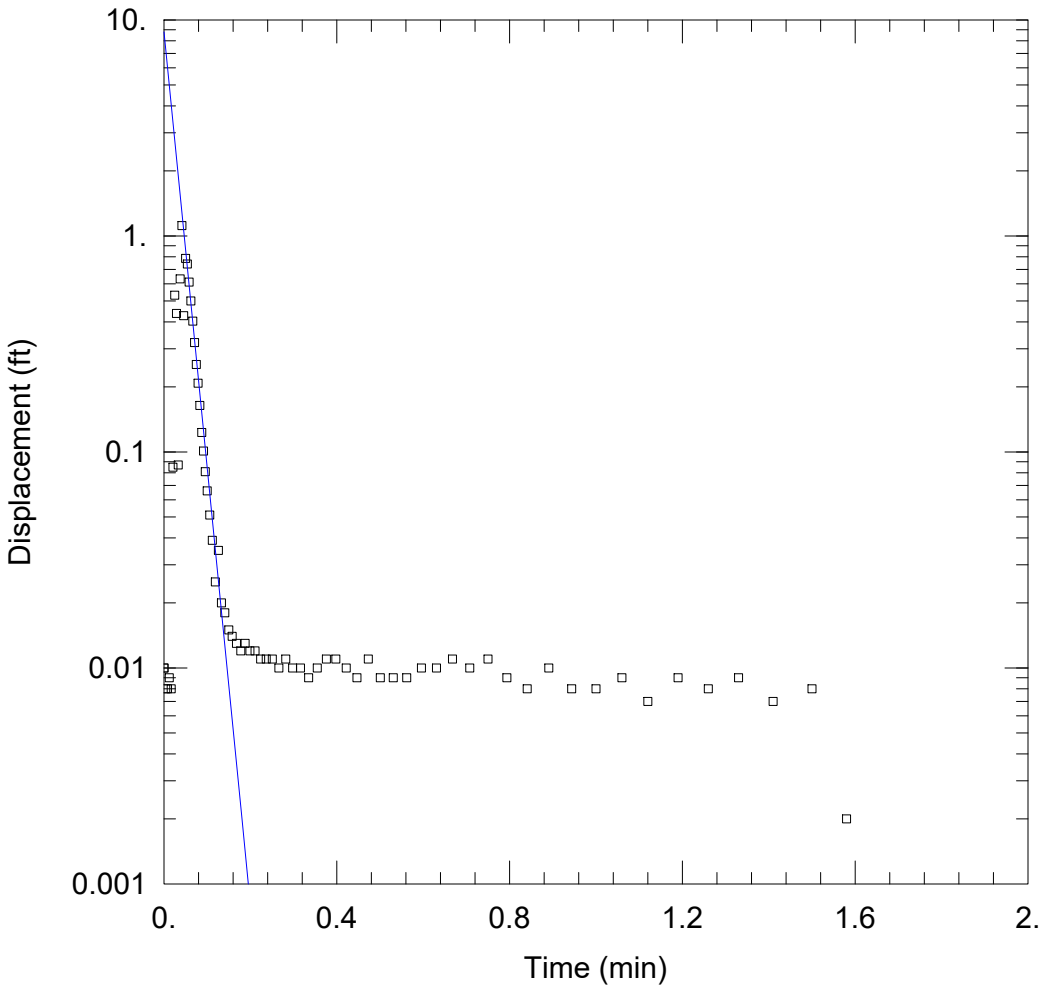
Saturated Thickness: 6.24 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 1.541 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.24 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 94.06 ft/day
y0 = 9.053 ft



MW-1 RISING HEAD - SHORT SLUG TEST 2

Data Set:
Date: 06/02/26 Time: 12:28:17

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-1 Rising Head
Test Date: 5/26/26

AQUIFER DATA

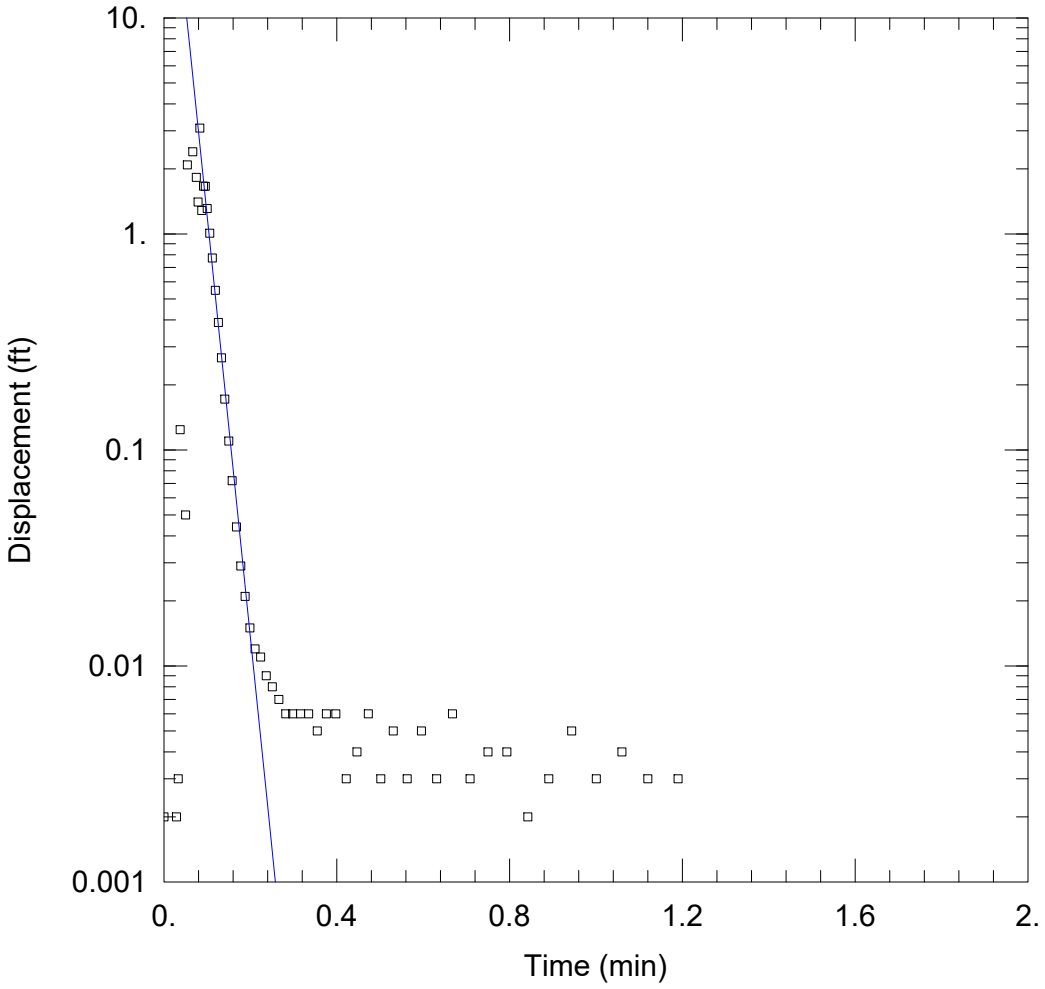
Saturated Thickness: 6.24 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 0.01 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.24 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 98.68 ft/day
y0 = 8.81 ft



MW-1 RISING HEAD - LONG SLUG TEST 1

Data Set:
Date: 06/02/26 Time: 09:47:30

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-1
Test Date: 5/26/26

AQUIFER DATA

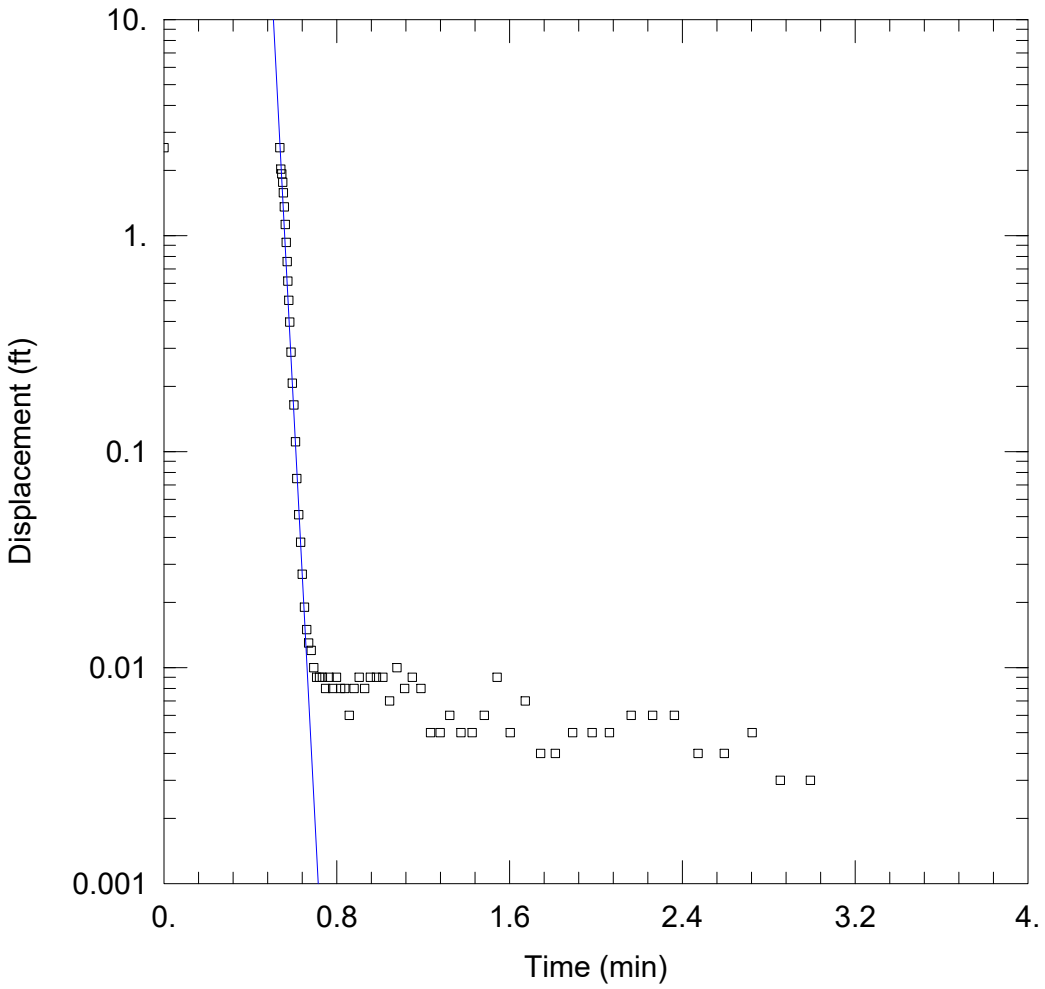
Saturated Thickness: 6.24 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 0.002 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.24 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 95.33 ft/day
y0 = 107.2 ft



MW-1 RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-1 Rising Long 2_REV.aqt
Date: 07/23/26 Time: 06:37:24

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-1
Test Date: 5/26/26

AQUIFER DATA

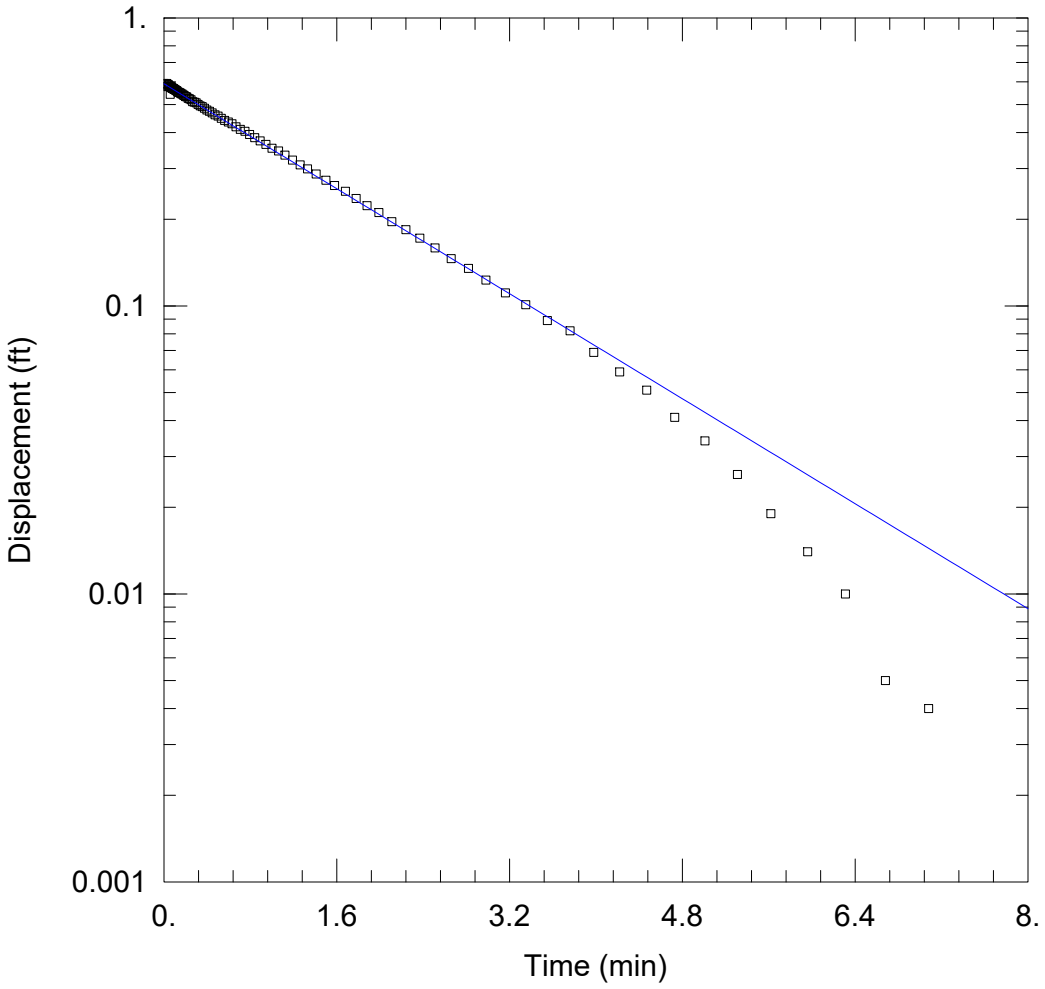
Saturated Thickness: 6.24 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 2.553 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.24 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 94.38 ft/day
y0 = 6.04E+10 ft



MW-4 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-4 Rising Short 1.aqt
Date: 06/03/26 Time: 07:55:29

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

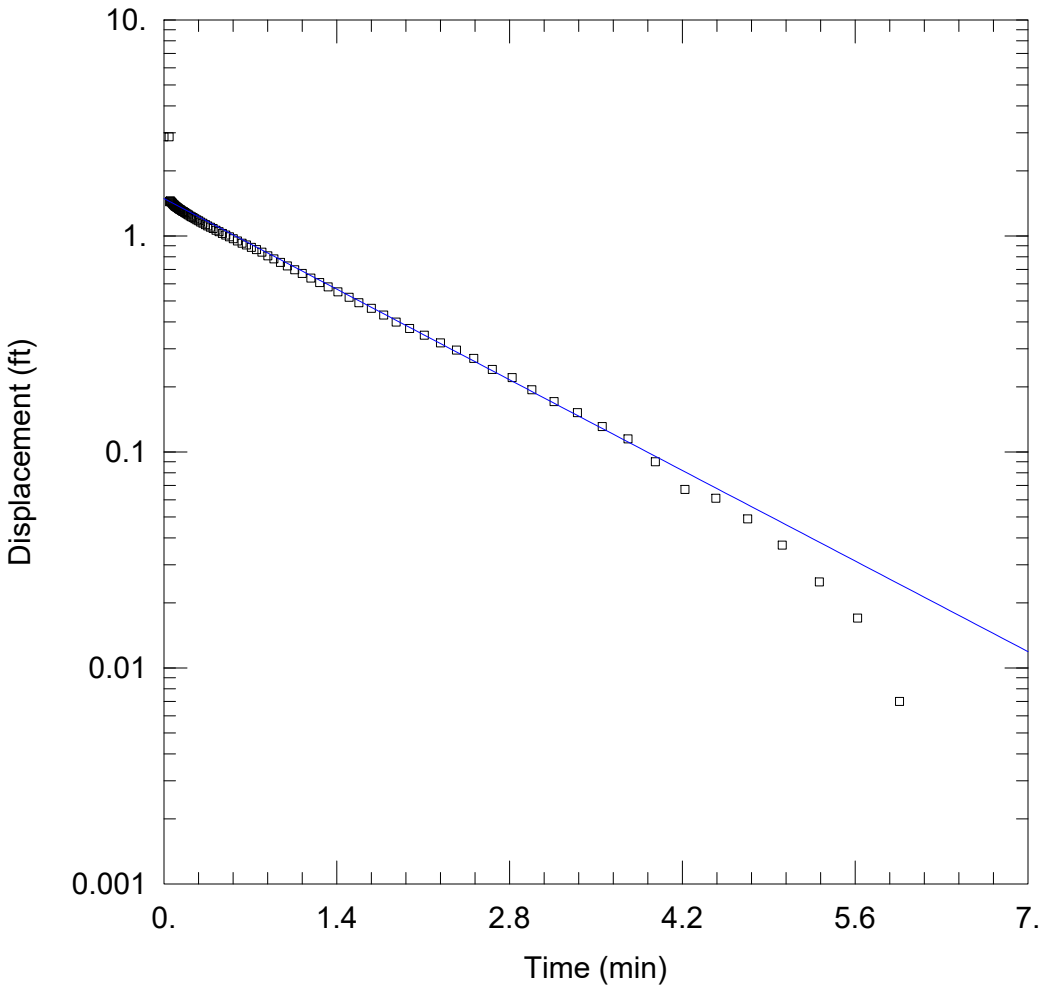
Saturated Thickness: 2.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 0.592 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.071 ft/day
y0 = 0.5907 ft



MW-4 RISING HEAD - SHORT SLUG TEST 2

Data Set: C:\...\MW-4 Rising Short 2.aqt
Date: 06/03/26 Time: 08:18:47

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 2.96 ft Anisotropy Ratio (Kz/Kr): 1.

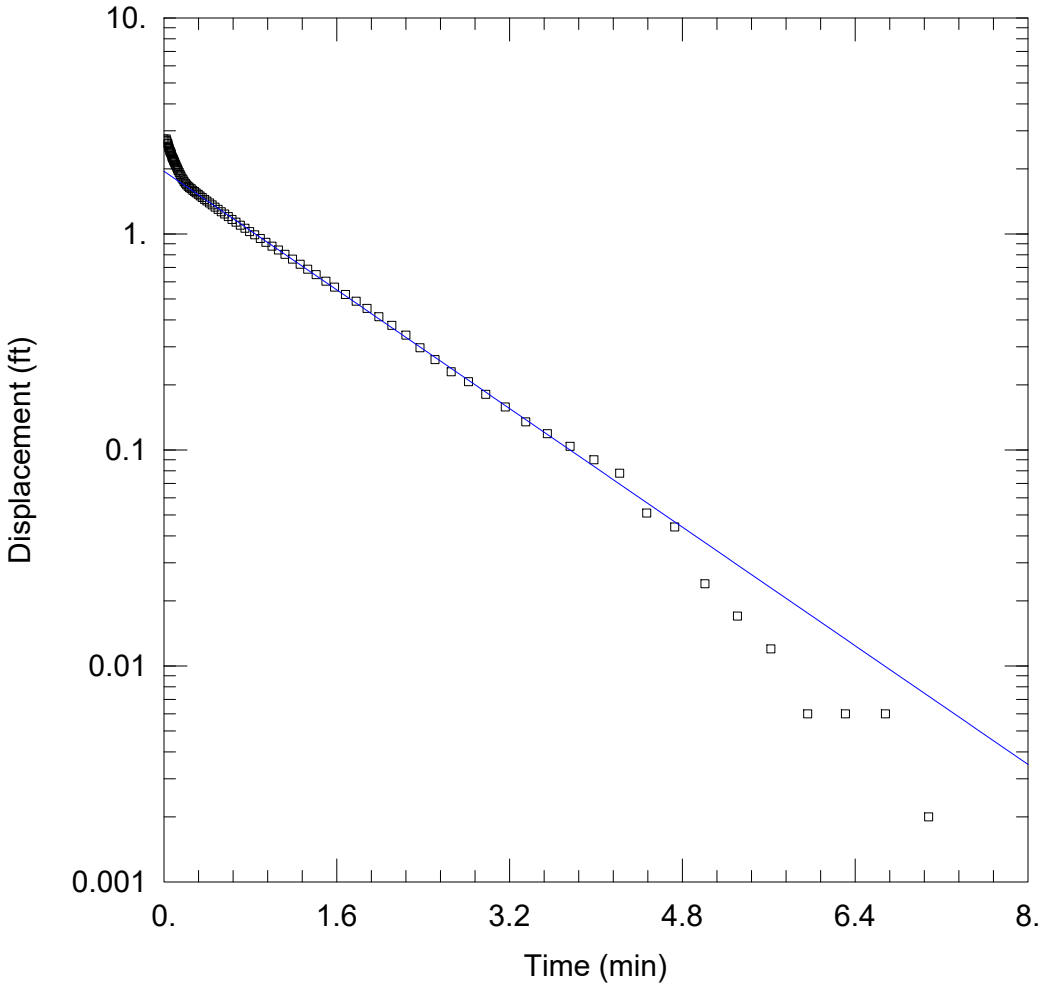
WELL DATA (MW-4)

Initial Displacement: 2.875 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.724 ft/day y0 = 1.489 ft



MW-4 RISING HEAD - LONG SLUG TEST 1

Data Set:
Date: 06/03/26 Time: 07:35:10

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

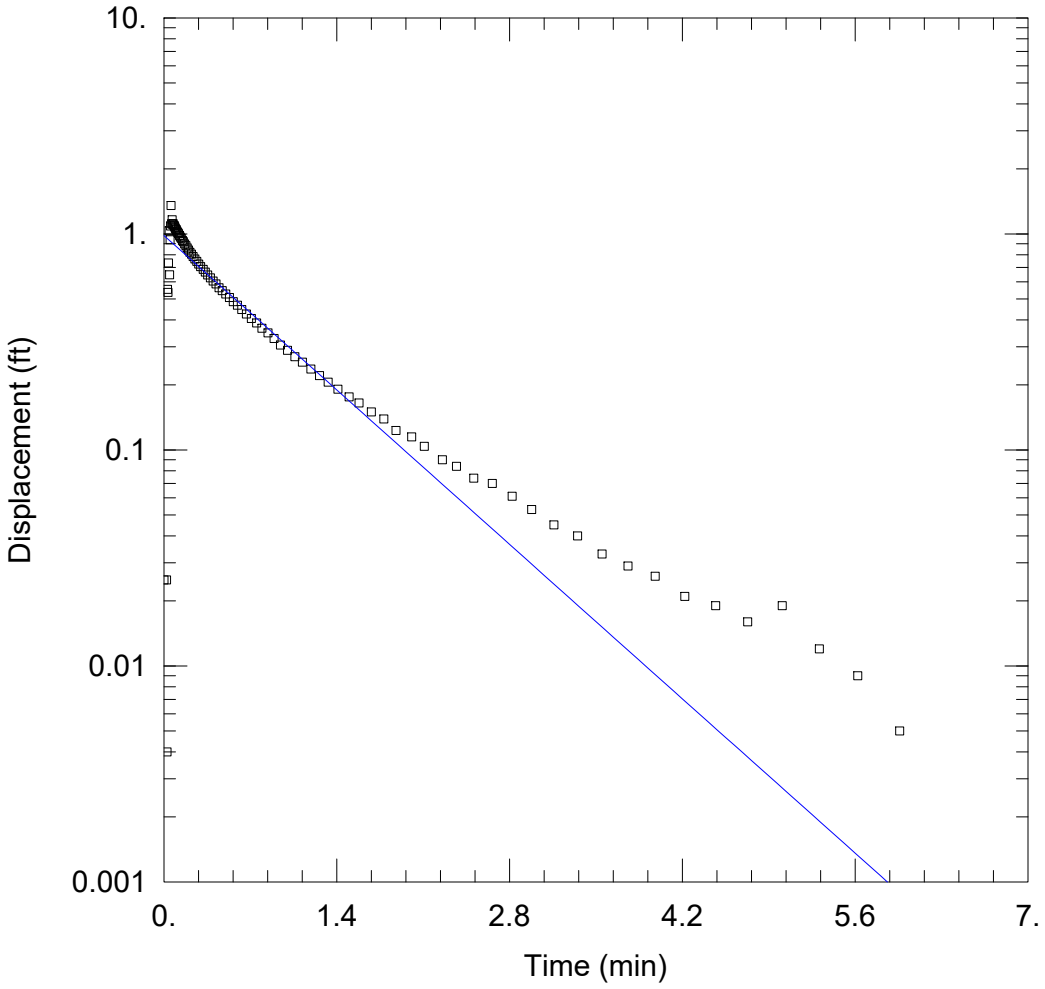
Saturated Thickness: 2.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 2.754 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.121 ft/day
y0 = 1.95 ft



MW-4 FALLING HEAD - SHORT SLUG TEST 1

Data Set:
Date: 06/02/26 Time: 13:05:51

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 2.96 ft Anisotropy Ratio (Kz/Kr): 1.

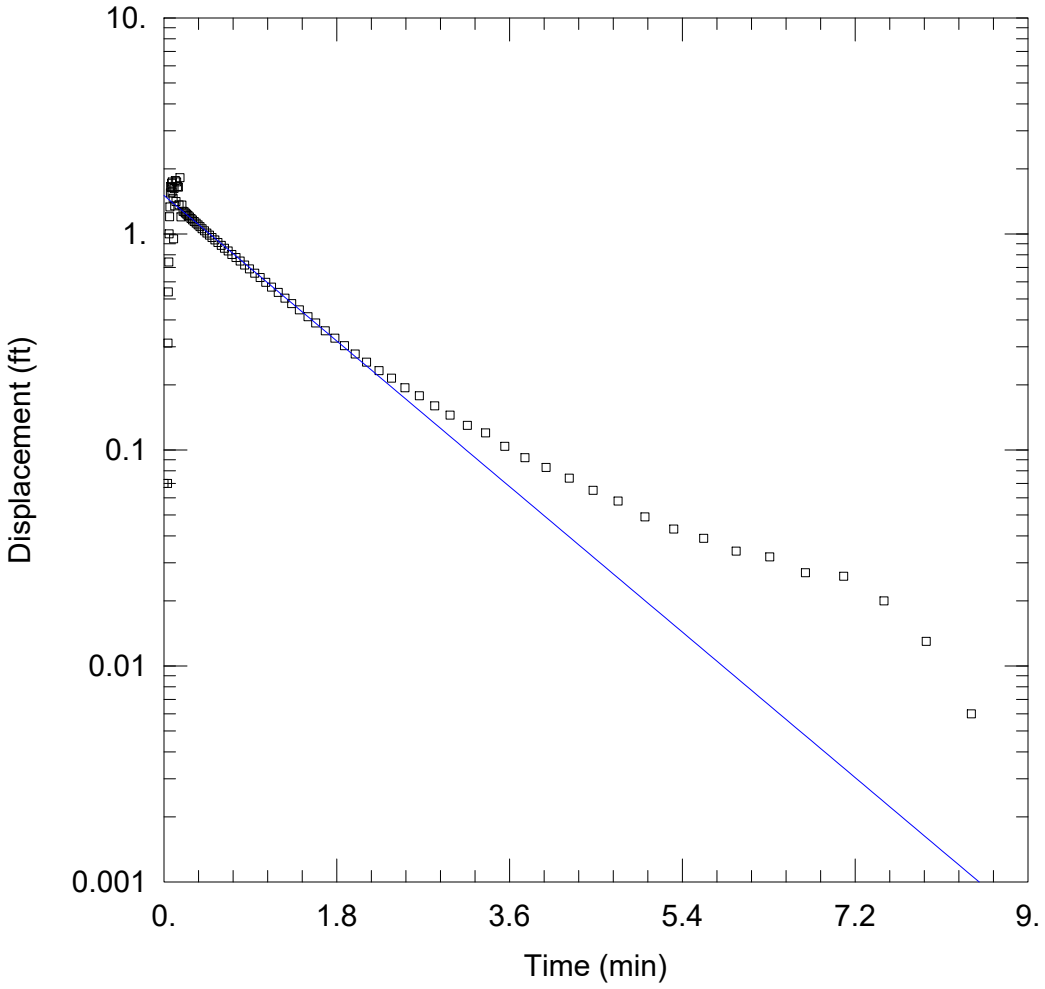
WELL DATA (MW-4)

Initial Displacement: 0.025 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 4.642 ft/day y0 = 0.9829 ft



MW-4 FALLING HEAD - SHORT SLUG TEST 2

Data Set:
Date: 06/02/26 Time: 13:48:21

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

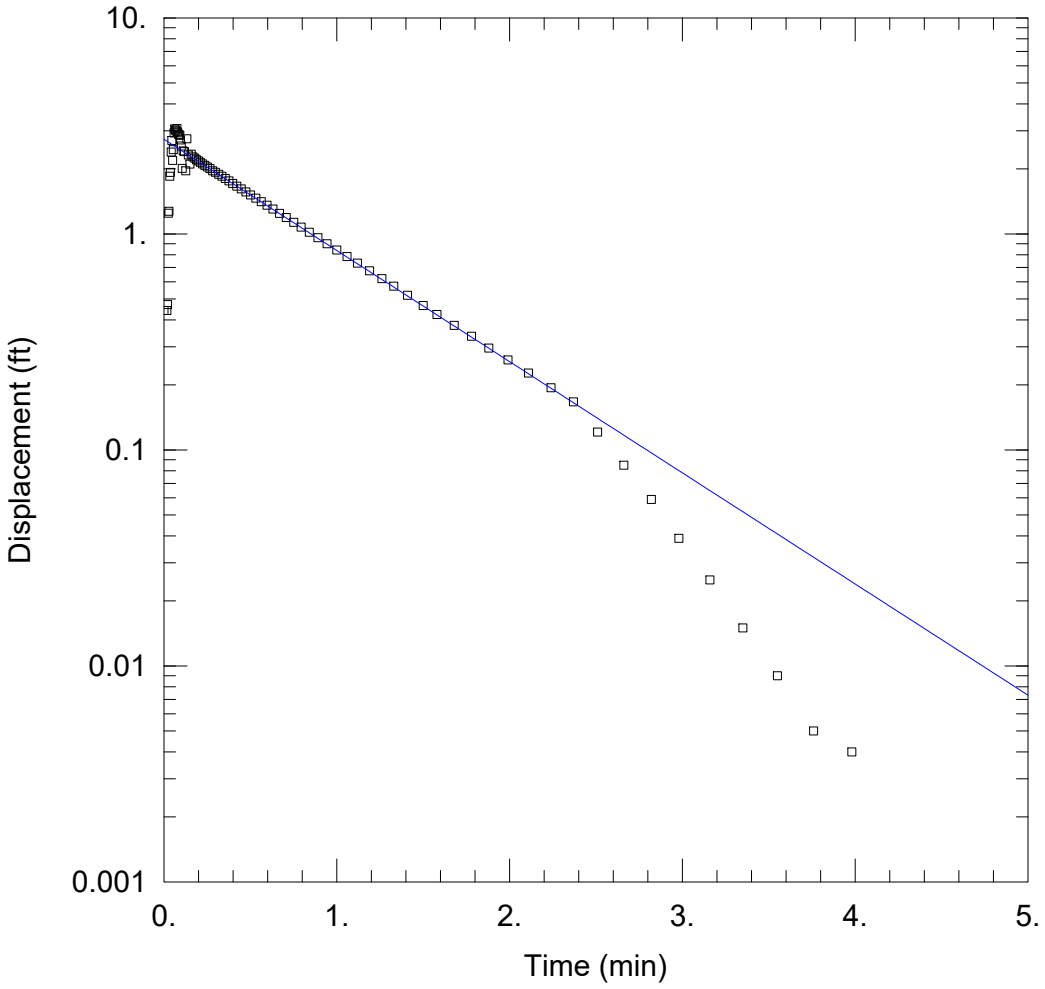
Saturated Thickness: 2.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 0.07 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.403 ft/day
y0 = 1.507 ft



MW-4 FALLING HEAD - LONG SLUG TEST 1

Data Set:
Date: 06/02/26 Time: 12:47:34

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-4
Test Date: 5/27/26

AQUIFER DATA

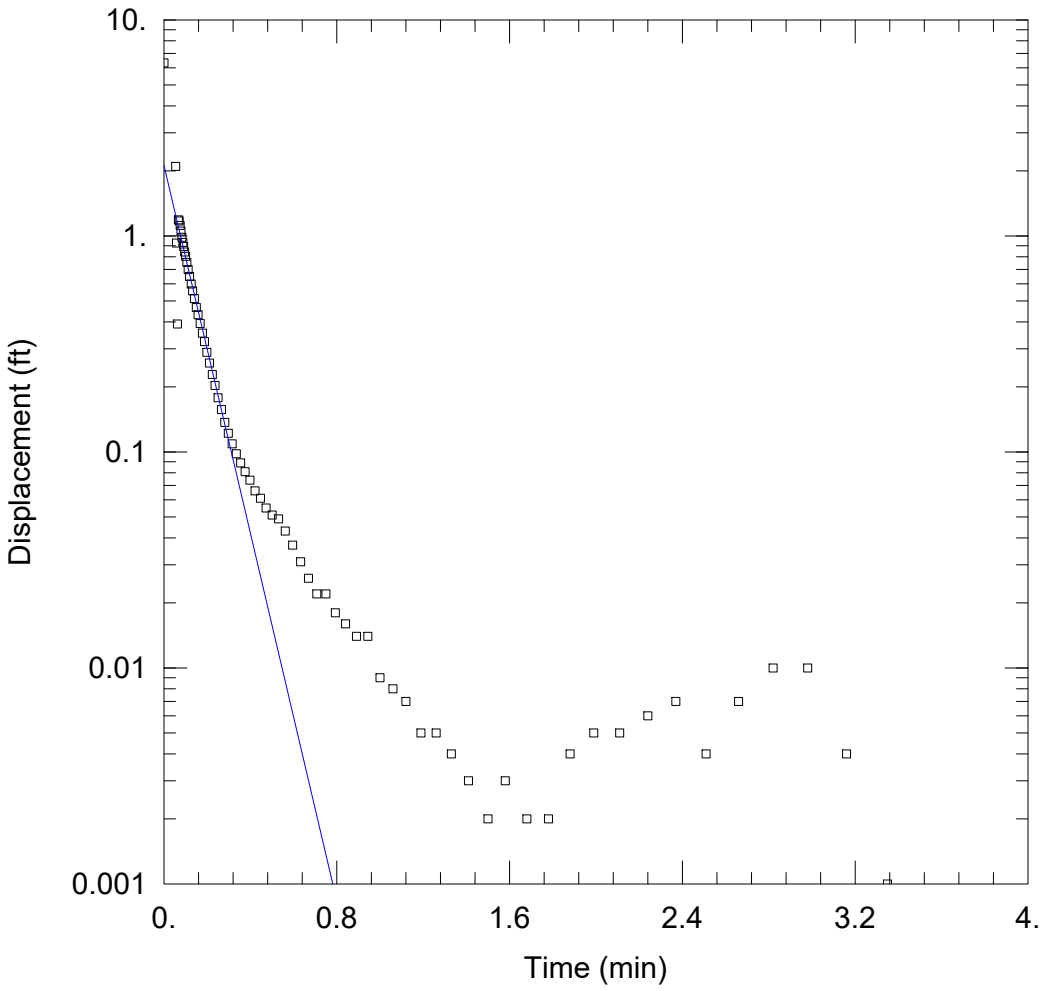
Saturated Thickness: 2.96 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 0.442 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.96 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 4.678 ft/day
y0 = 2.741 ft



MW-5S RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-5S Rising Short 1.aqt
Date: 06/05/26 Time: 07:34:01

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

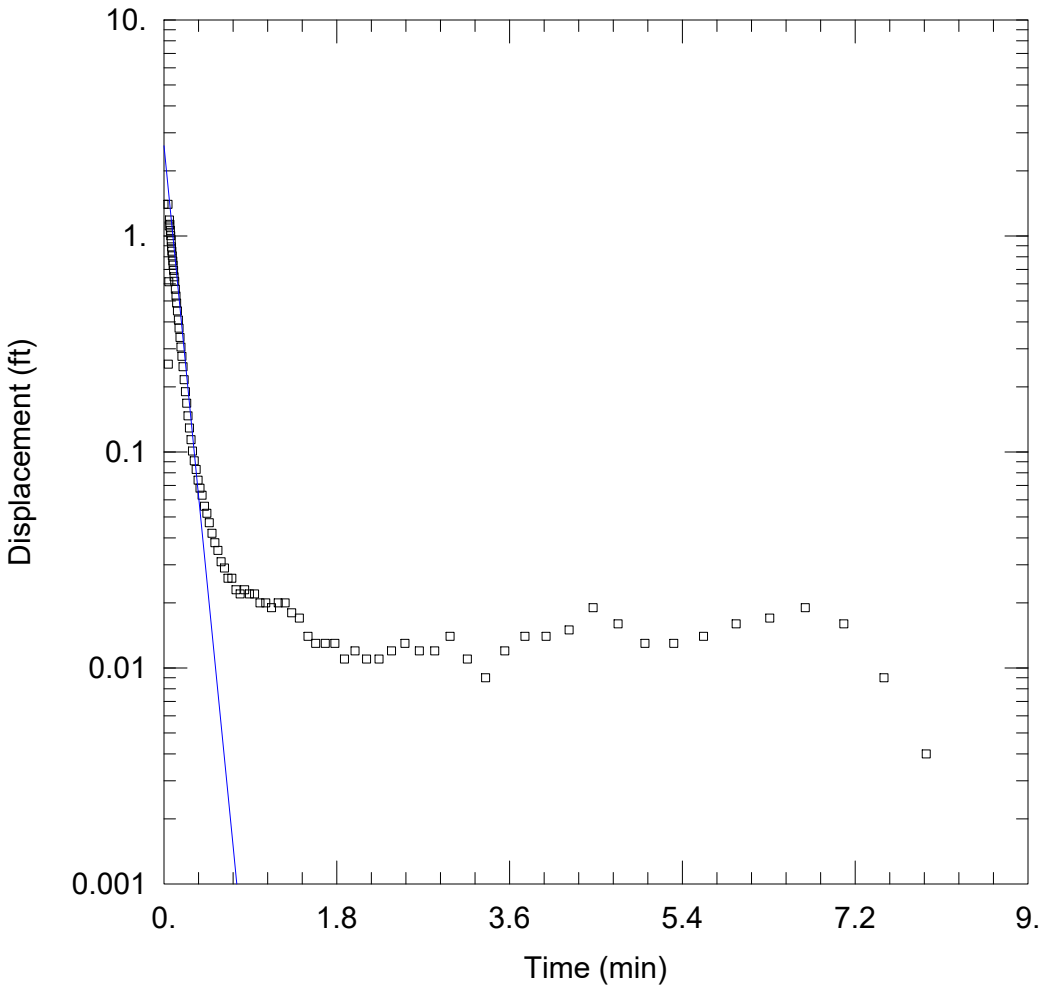
WELL DATA (MW-5S)

Initial Displacement: 6.326 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 17.3 ft/day y0 = 2.12 ft



MW-5S RISING HEAD - SHORT SLUG TEST 2

Data Set: C:\...\MW-5S Rising Short 2.aqt
Date: 06/05/26 Time: 08:01:41

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

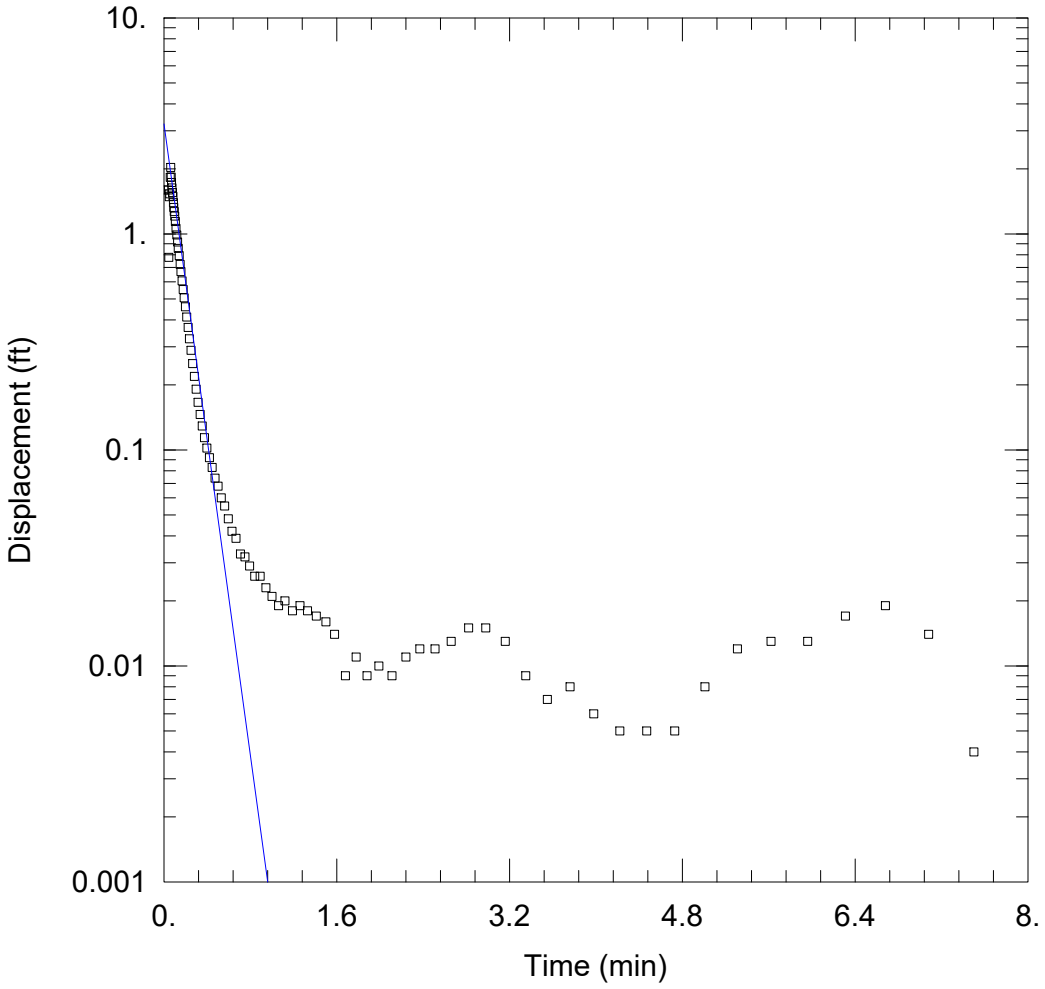
WELL DATA (MW-5S)

Initial Displacement: 1.4 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 18.3 ft/day y0 = 2.616 ft



MW-5S RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-5S Rising Long 1.aqt
Date: 06/05/26 Time: 07:32:49

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

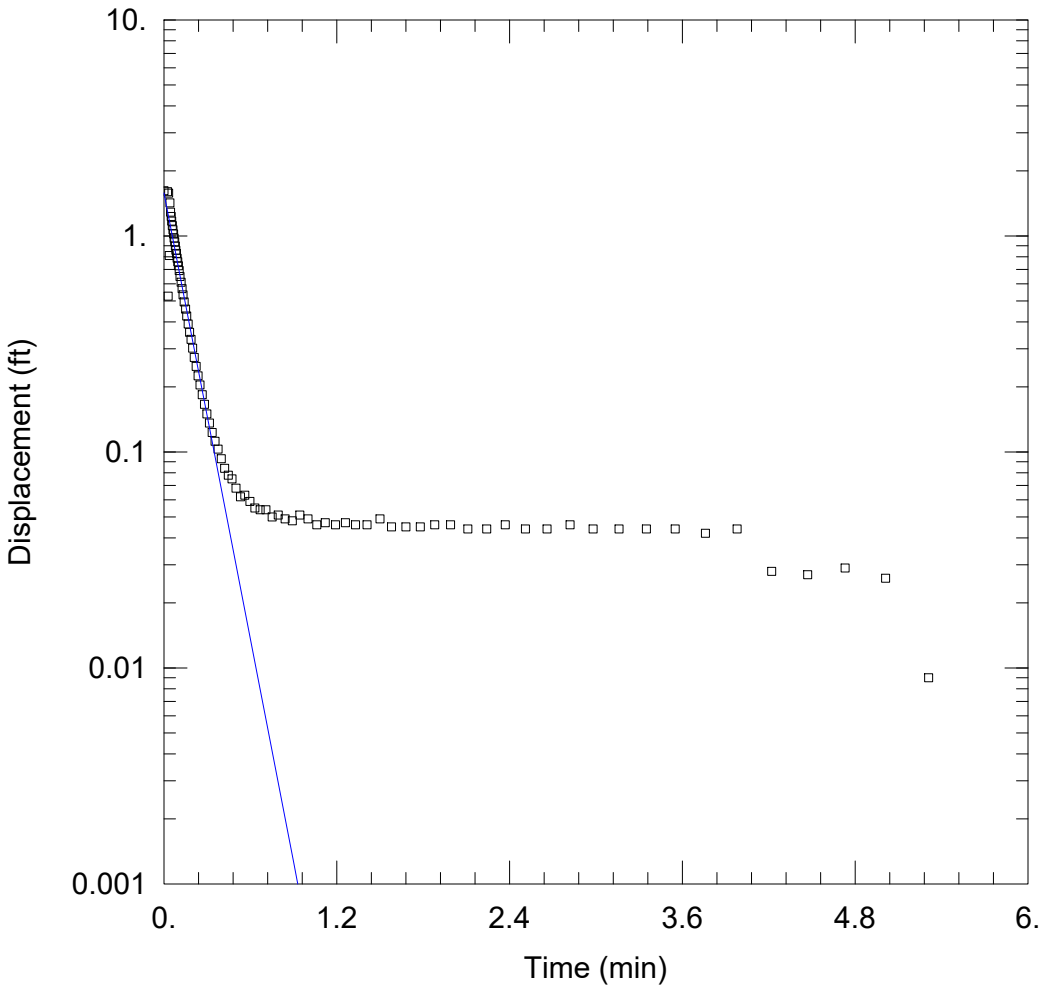
WELL DATA (MW-5S)

Initial Displacement: 1.598 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 14.85 ft/day y0 = 3.229 ft



MW-5D RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-5D Rising Short Slug 1.aqt
Date: 06/17/26 Time: 05:59:36

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

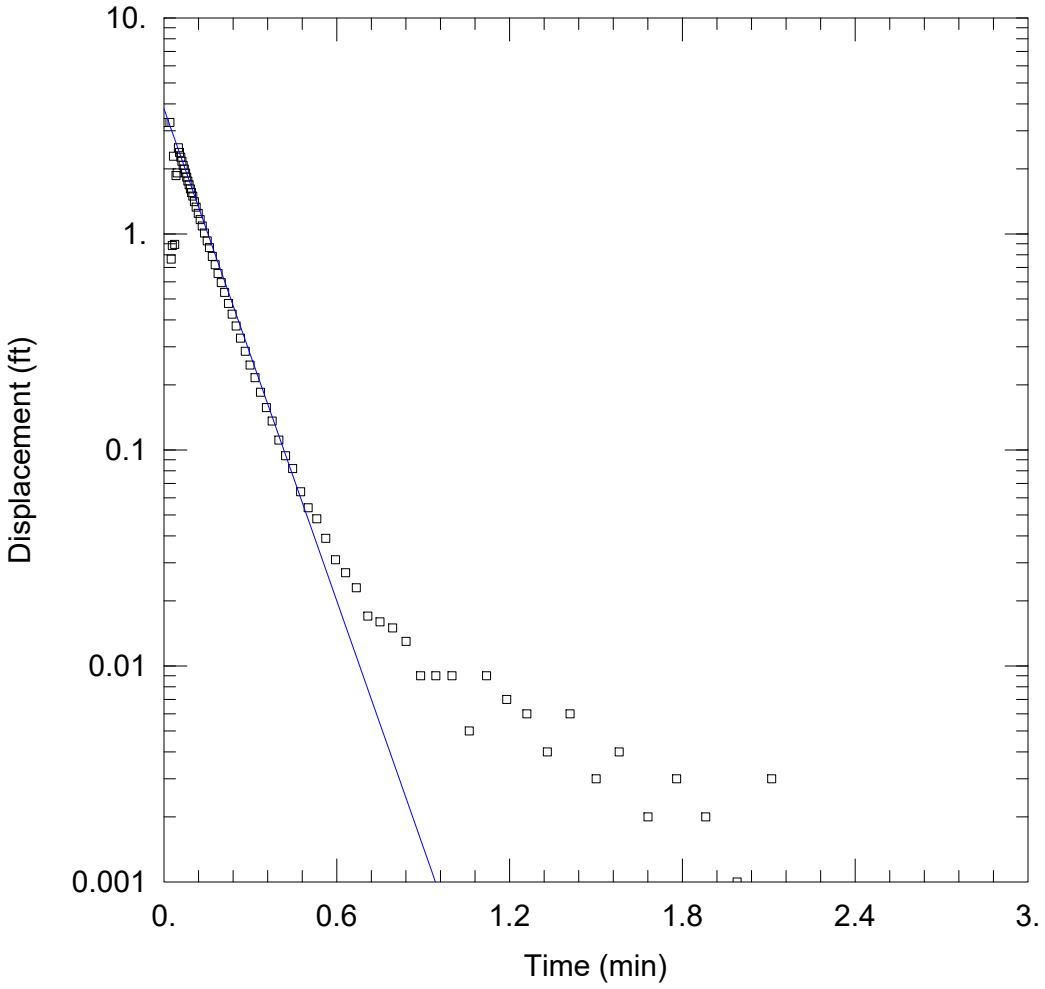
WELL DATA (MW-5D)

Initial Displacement: 1.62 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 14.81 ft/day y0 = 1.58 ft



MW-5D RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-5D Rising Long 1.aqt
Date: 06/04/26 Time: 10:40:56

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

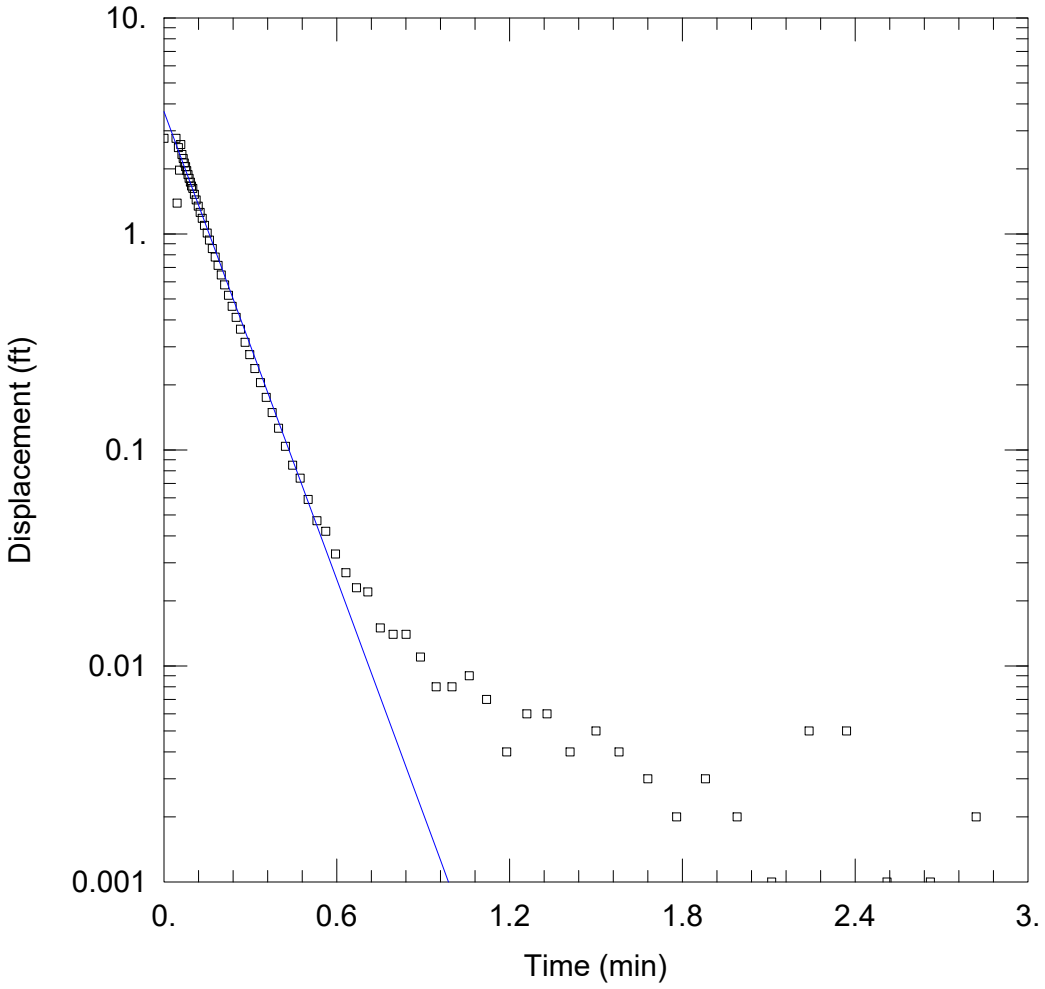
WELL DATA (MW-5D)

Initial Displacement: 3.279 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 16.34 ft/day y0 = 3.8 ft



MW-5D RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-5D Rising Long 2.aqt
Date: 06/04/26 Time: 11:57:14

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

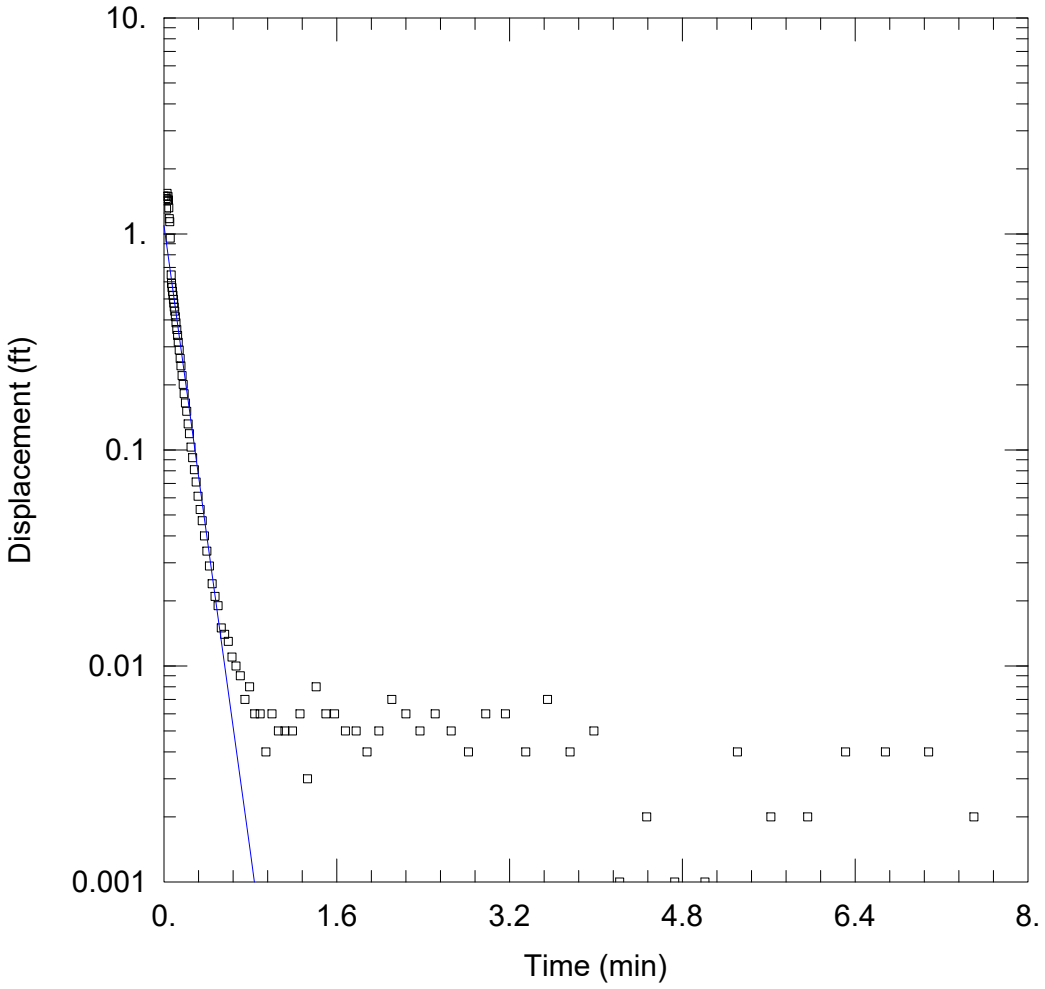
Saturated Thickness: 7.73 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-5D)

Initial Displacement: 2.771 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 15.53 ft/day
y0 = 3.682 ft



MW-5D FALLING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-5D Falling Short Slug 1.aqt
Date: 06/17/26 Time: 06:03:18

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

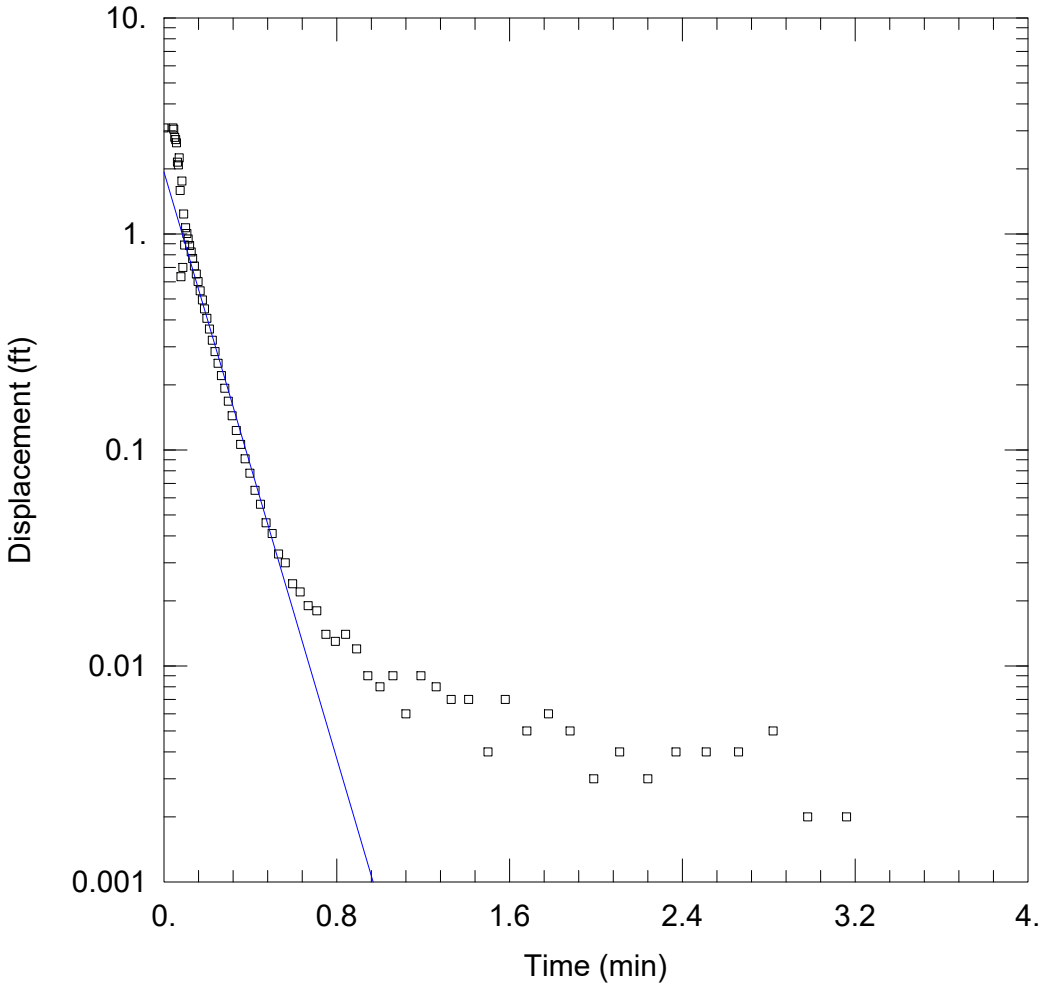
Saturated Thickness: 7.73 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-5D)

Initial Displacement: 1.498 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 15.6 ft/day
y0 = 1.093 ft



MW-5D FALLING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-5D Falling Long 1.aqt
Date: 06/04/26 Time: 08:31:58

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

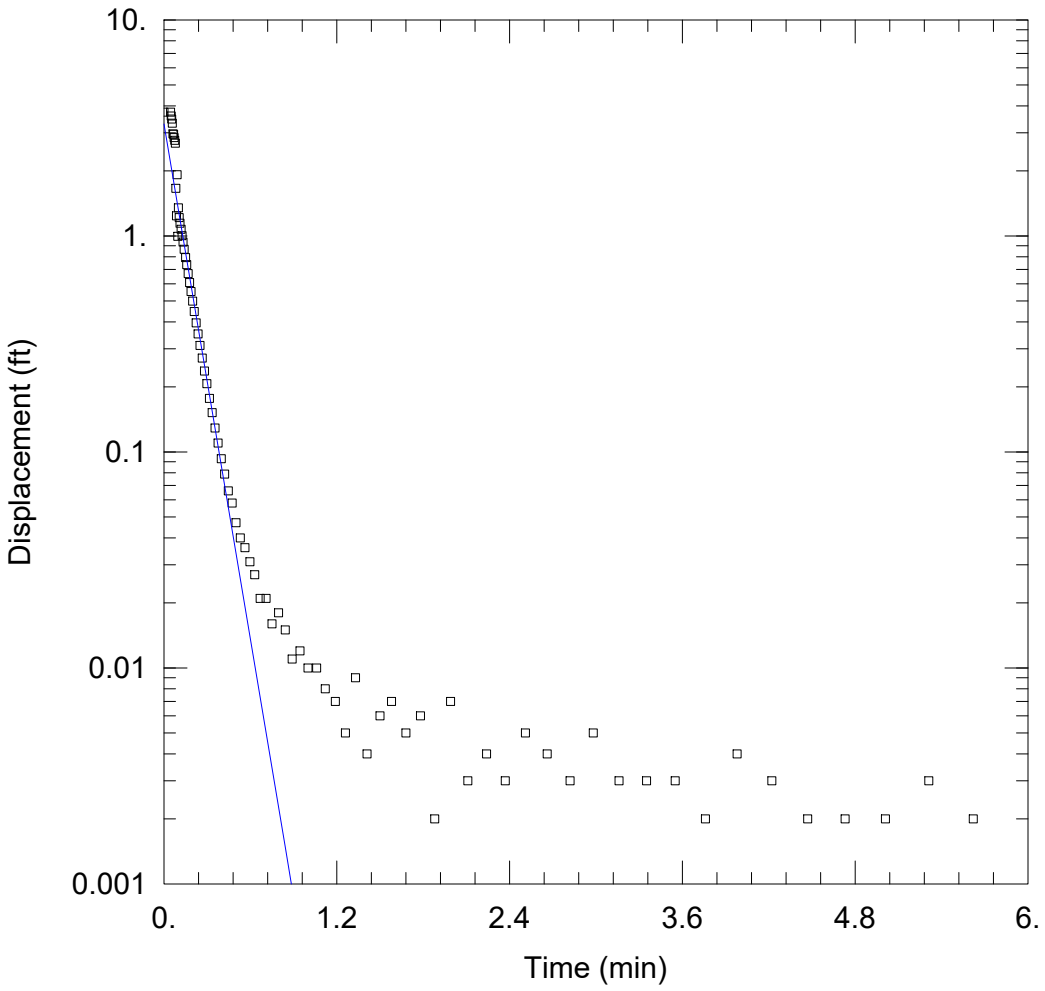
WELL DATA (MW-5D)

Initial Displacement: 3.097 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 14.61 ft/day y0 = 1.934 ft



MW-5D FALLING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-5D Falling Long 2.aqt
Date: 06/04/26 Time: 09:47:28

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-5D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 7.73 ft Anisotropy Ratio (Kz/Kr): 1.

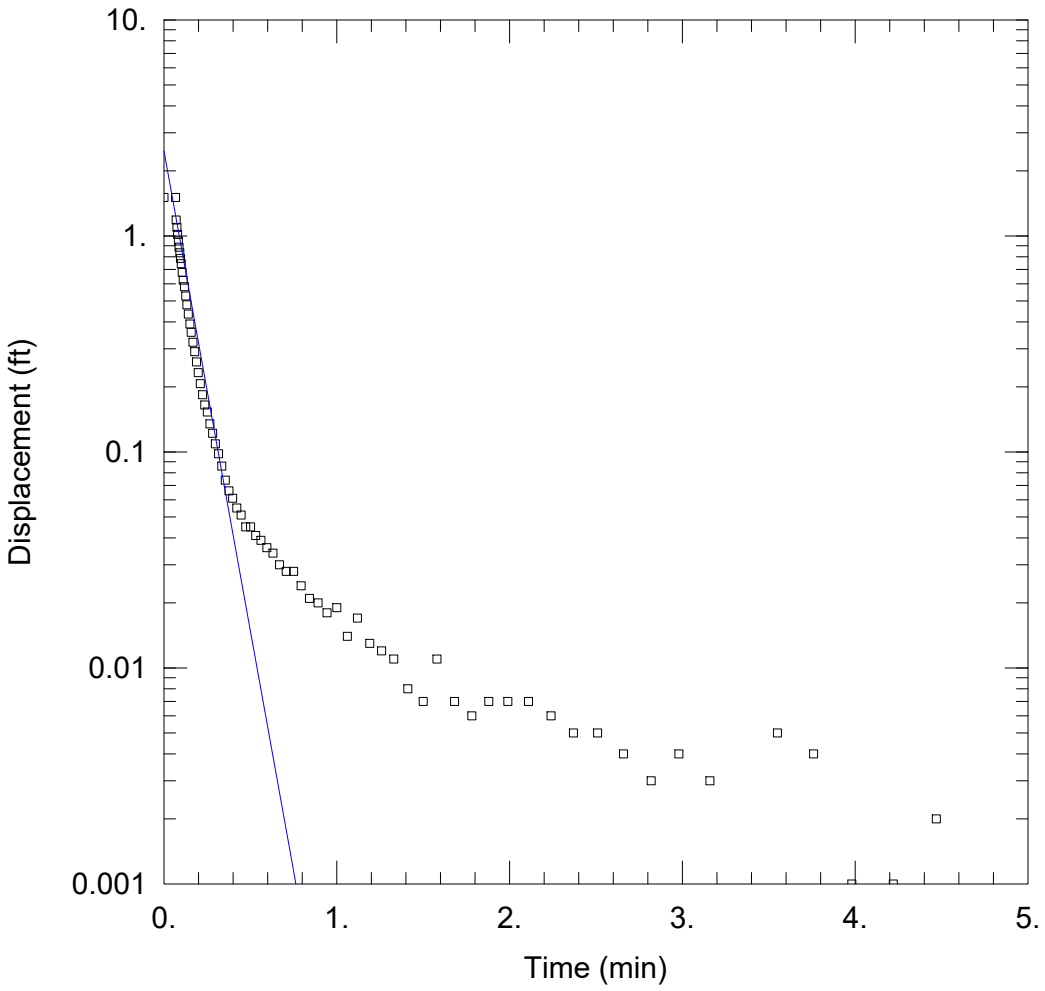
WELL DATA (MW-5D)

Initial Displacement: 3.743 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.73 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 17.1 ft/day y0 = 3.298 ft



MW-7 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-7 Rising Short 1.aqt
Date: 06/05/26 Time: 12:48:34

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-7
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 8.99 ft Anisotropy Ratio (Kz/Kr): 1.

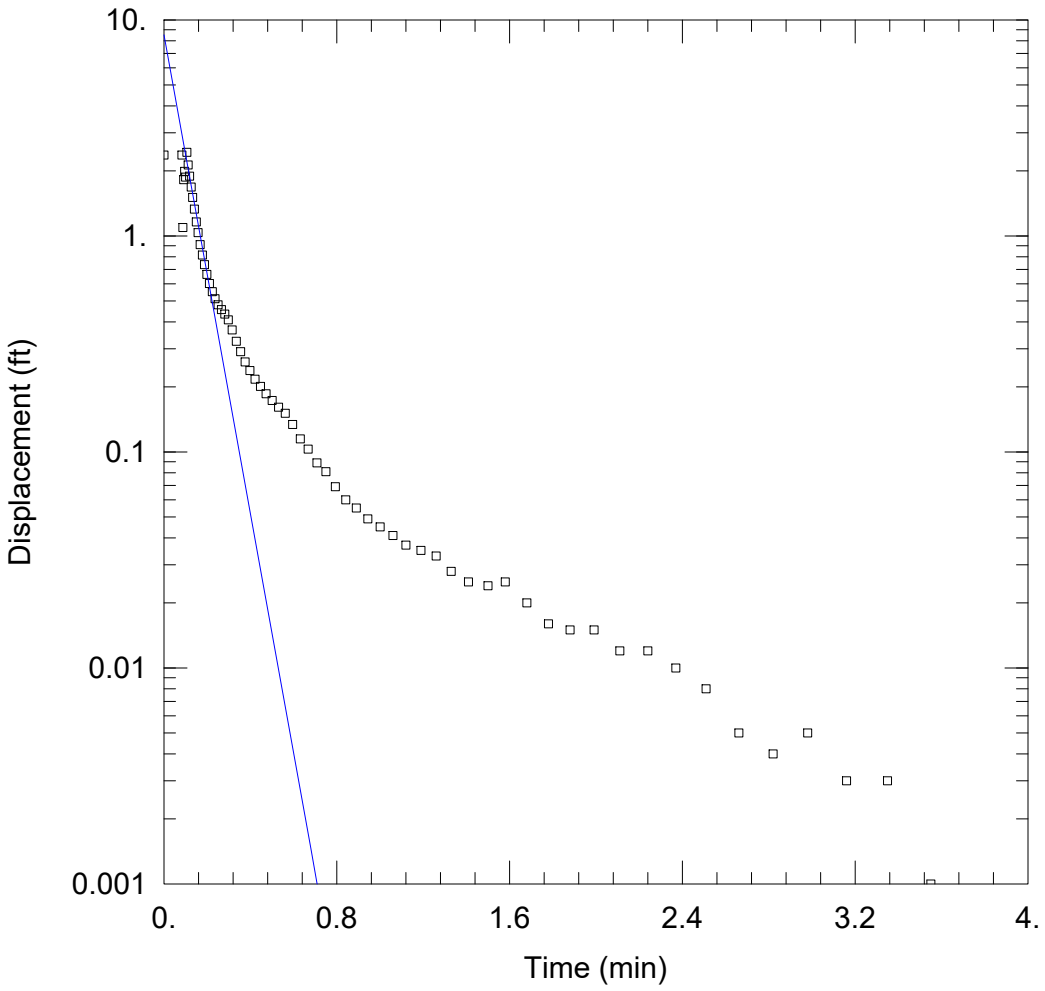
WELL DATA (MW-7)

Initial Displacement: 1.506 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.99 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 19.15 ft/day y0 = 2.41 ft



MW-7 RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-7 Rising Long 1.aqt
Date: 06/05/26 Time: 08:50:39

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-7
Test Date: 5/27/26

AQUIFER DATA

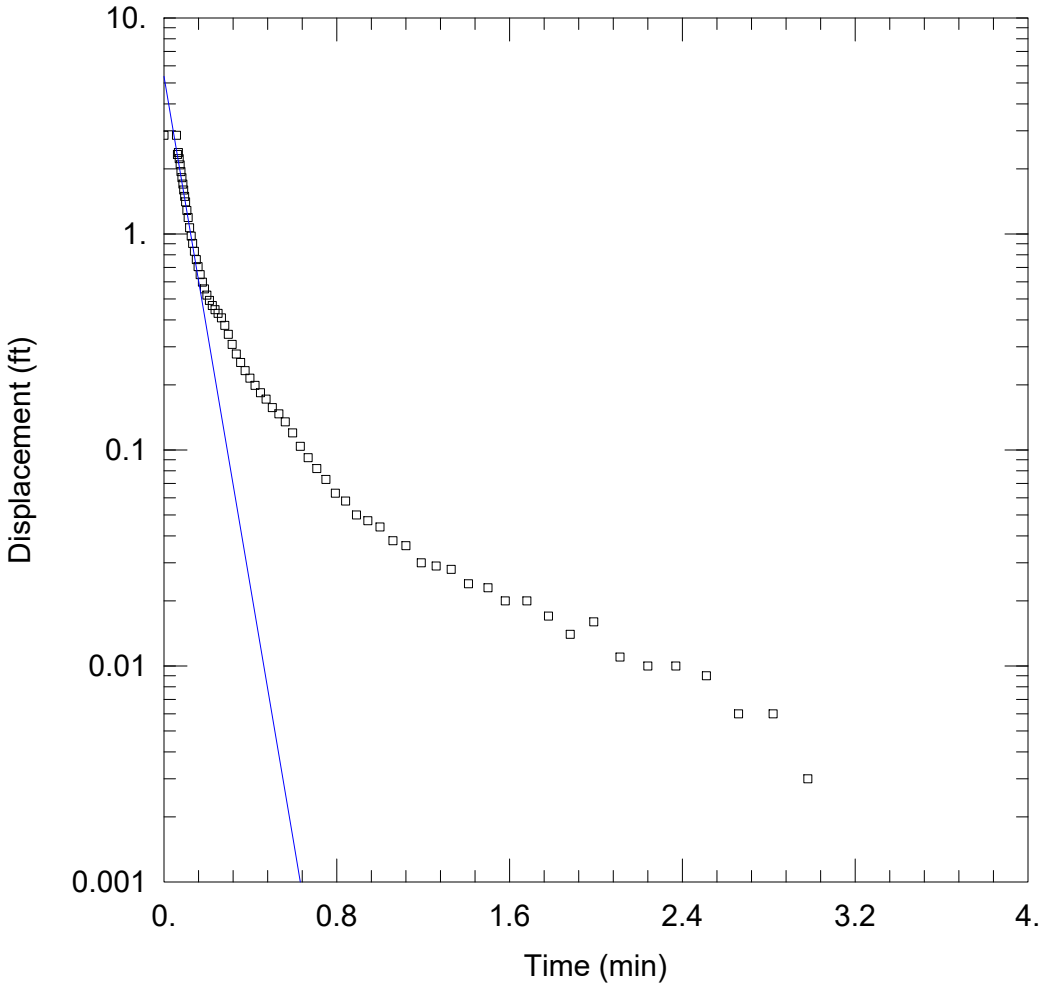
Saturated Thickness: 8.99 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-7)

Initial Displacement: 2.367 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.99 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 20.45 ft/day
y0 = 8.522 ft



MW-7 RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-7 Rising Long 2.aqt
Date: 06/05/26 Time: 11:37:12

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-7
Test Date: 5/27/26

AQUIFER DATA

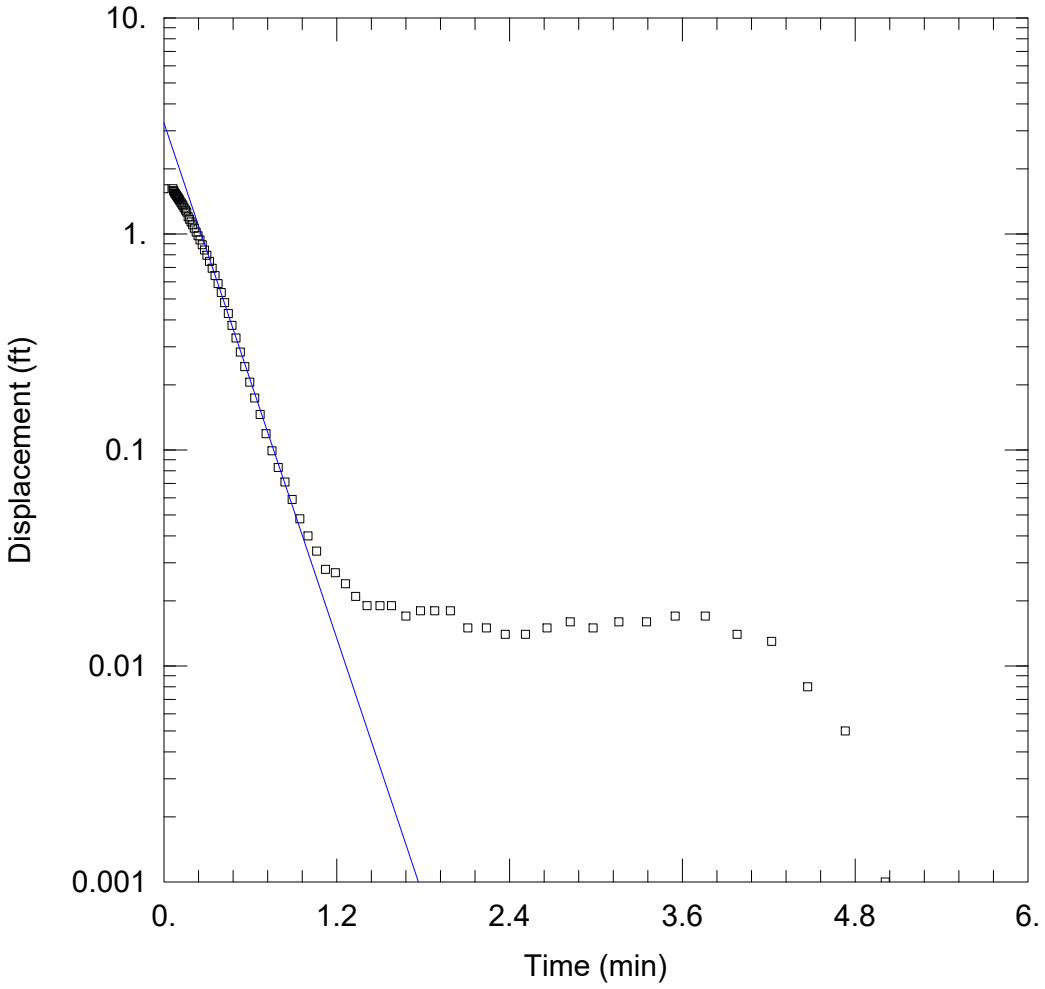
Saturated Thickness: 8.99 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-7)

Initial Displacement: 2.862 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.99 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 21.8 ft/day
y0 = 5.36 ft



MW-9S RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-9S Rising Short 1.aqt
Date: 06/08/26 Time: 07:40:49

PROJECT INFORMATION

Company: Michael Baker Internationalf/
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-9S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 11.87 ft Anisotropy Ratio (Kz/Kr): 1.

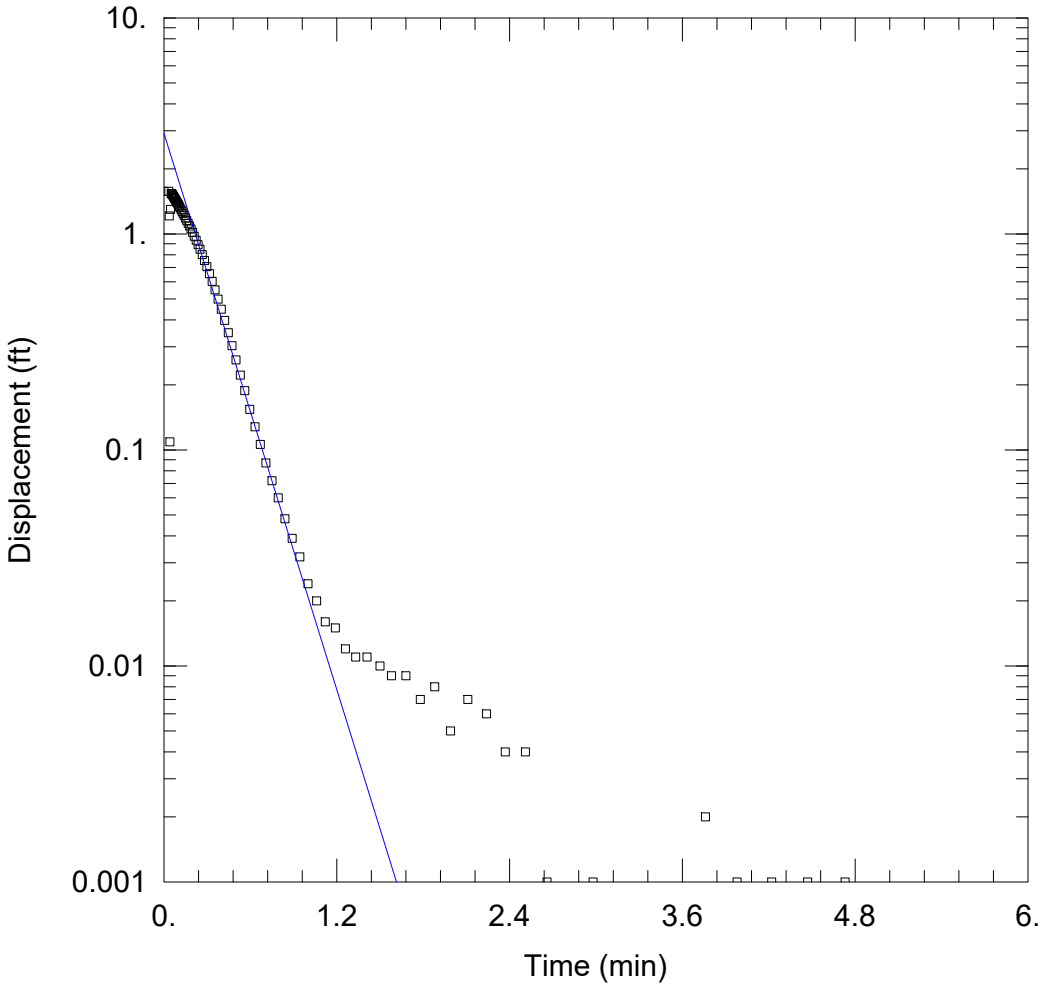
WELL DATA (MW-9S)

Initial Displacement: 1.618 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.87 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 6.672 ft/day y0 = 3.264 ft



MW-9S RISING HEAD - SHORT SLUG TEST 2

Data Set: C:\...\MW-9S Rising Short 2.aqt
Date: 06/08/26 Time: 08:50:17

PROJECT INFORMATION

Company: Michael Baker Internationalf/
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-9S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 11.87 ft Anisotropy Ratio (Kz/Kr): 1.

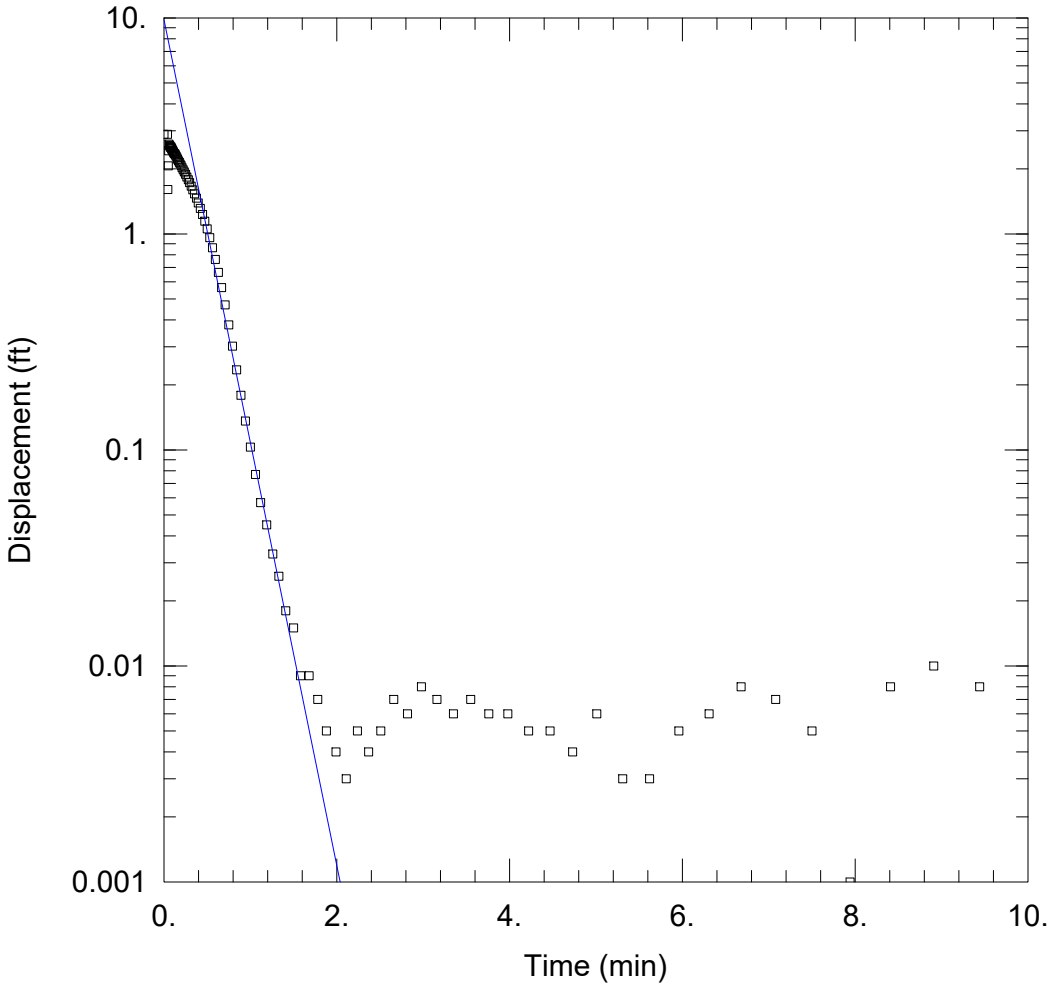
WELL DATA (MW-9S)

Initial Displacement: 1.576 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.87 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.201 ft/day y0 = 2.919 ft



MW-9S RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-9S Rising Long 1.aqt
Date: 06/08/26 Time: 06:18:29

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-9S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 11.87 ft Anisotropy Ratio (Kz/Kr): 1.

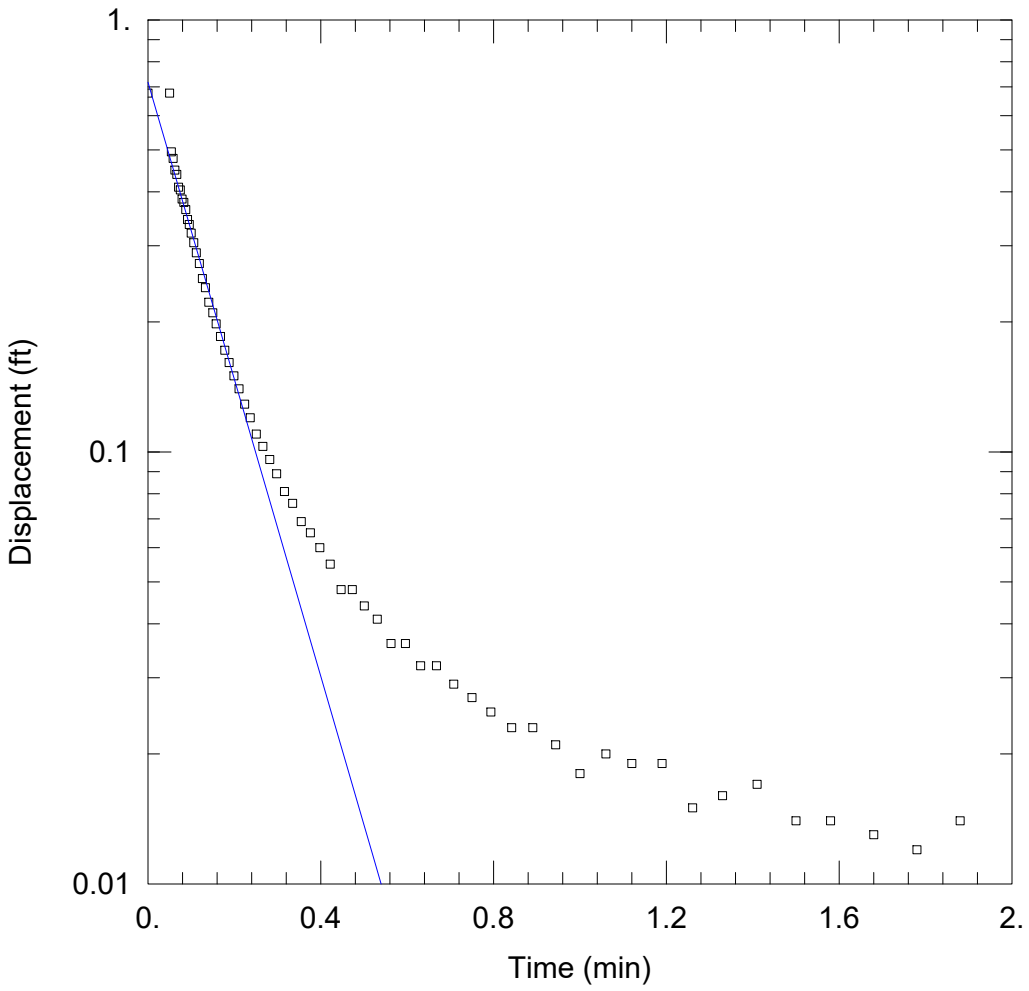
WELL DATA (MW-9S)

Initial Displacement: 2.89 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.87 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 6.569 ft/day y0 = 9.808 ft



MW-17 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-17 Rising Short 1.aqt
Date: 06/11/26 Time: 08:06:36

PROJECT INFORMATION

Company: Michael Baker Internationalf/
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-17
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 11.57 ft Anisotropy Ratio (Kz/Kr): 1.

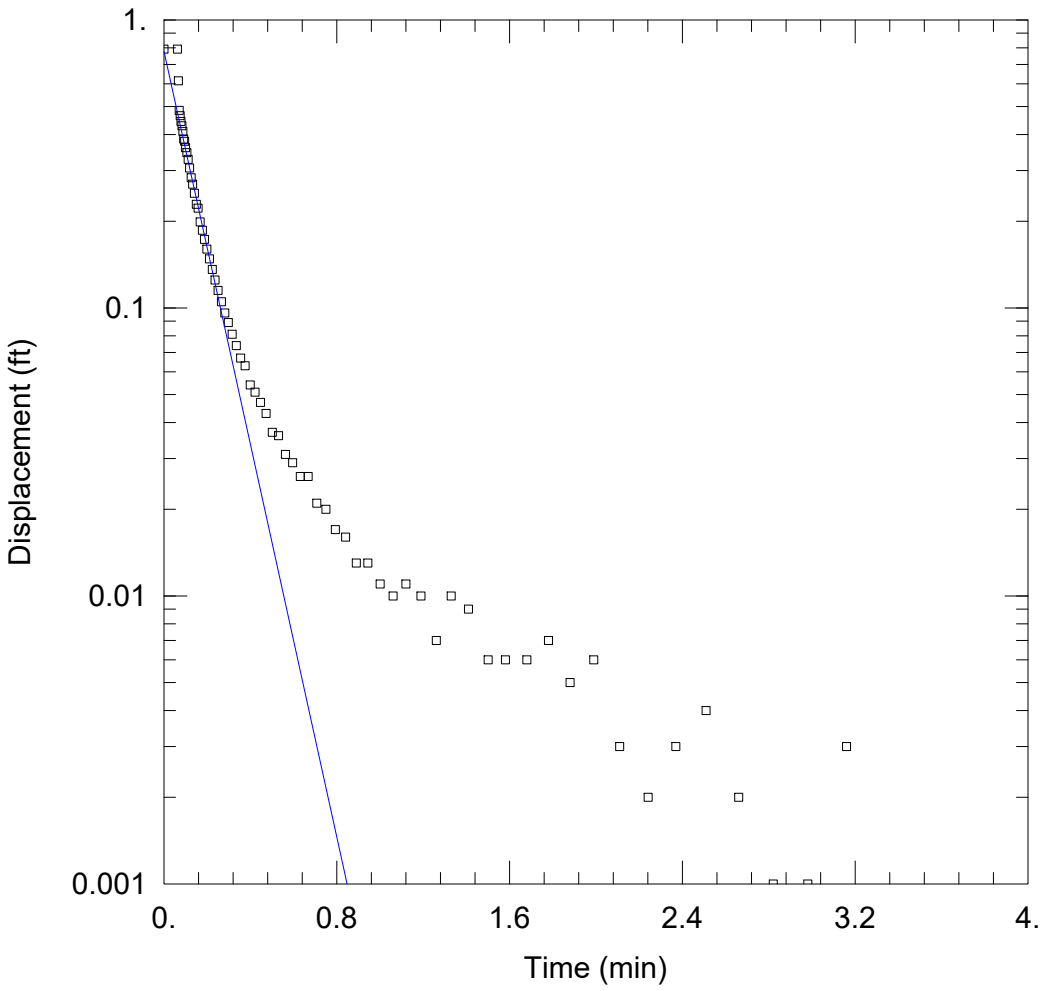
WELL DATA (MW-17)

Initial Displacement: 0.677 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.57 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 11.54 ft/day y0 = 0.7173 ft



MW-17 RISING HEAD - SHORT SLUG TEST 2

Data Set: C:\...\MW-17 Rising Short 2.aqt
Date: 06/11/26 Time: 08:31:58

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-17
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 11.57 ft Anisotropy Ratio (Kz/Kr): 1.

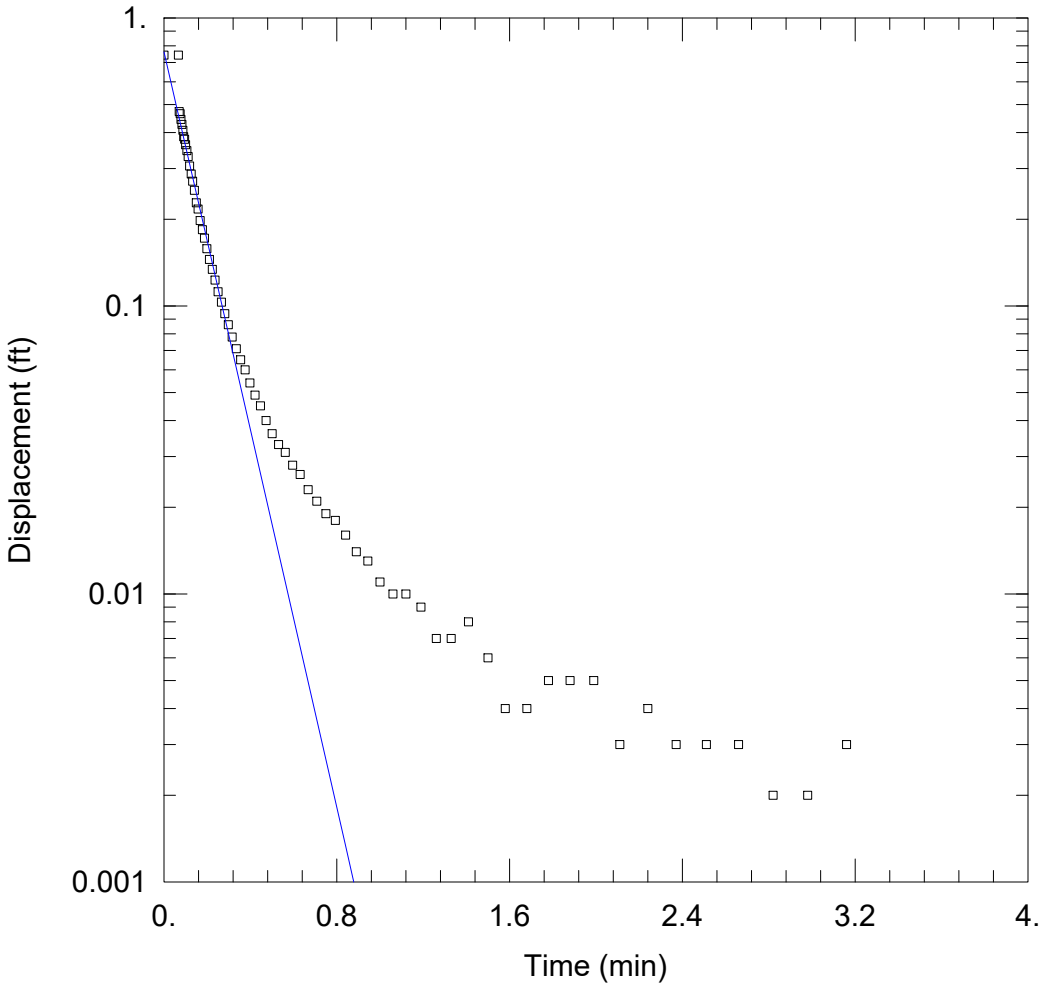
WELL DATA (MW-17)

Initial Displacement: 0.792 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.57 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 11.44 ft/day y0 = 0.7774 ft



MW-17 RISING HEAD - SHORT SLUG TEST 3

Data Set: C:\...\MW-17 Rising Short 3.aqt
Date: 06/11/26 Time: 09:49:20

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-17
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 11.57 ft Anisotropy Ratio (Kz/Kr): 1.

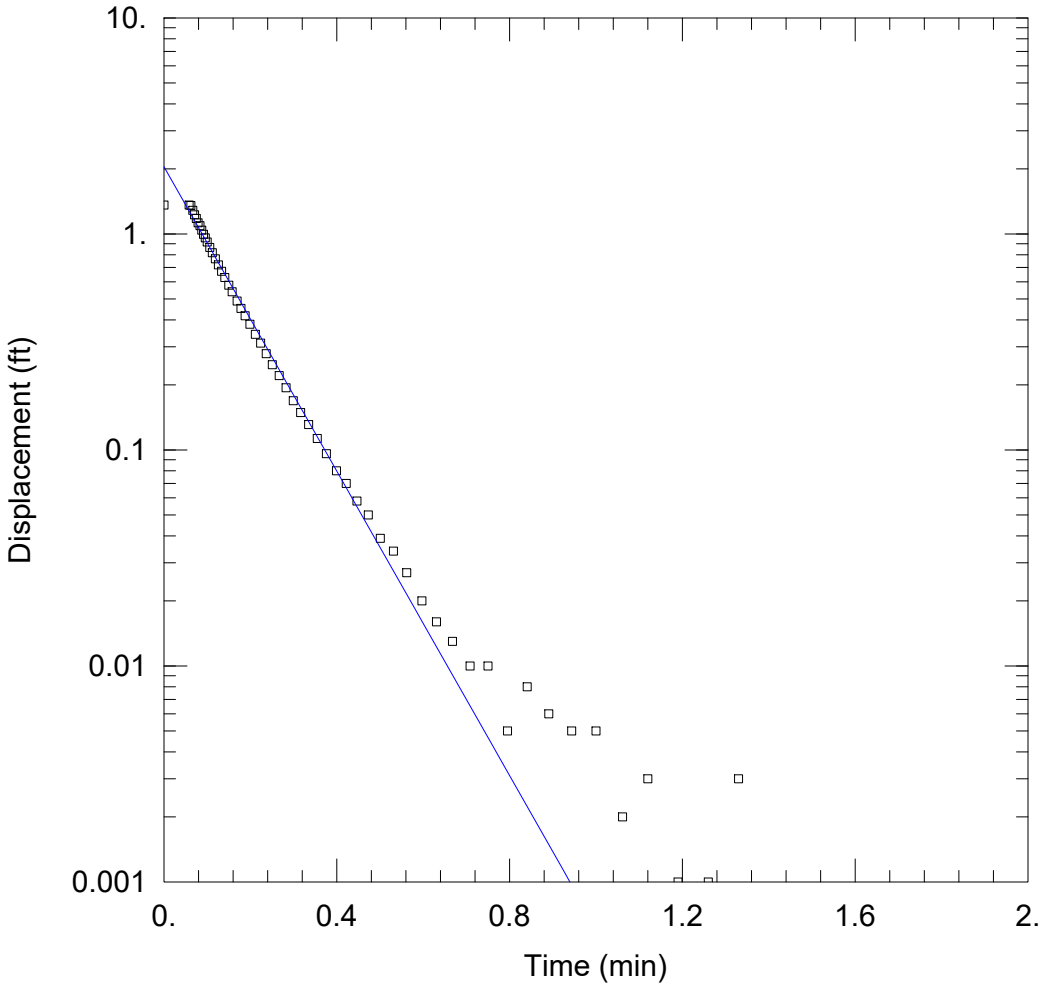
WELL DATA (MW-17)

Initial Displacement: 0.743 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.57 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 11. ft/day y0 = 0.7623 ft



MW-18 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-18 Rising Short 1.aqt
Date: 06/12/26 Time: 08:58:33

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 2.63 ft Anisotropy Ratio (Kz/Kr): 1.

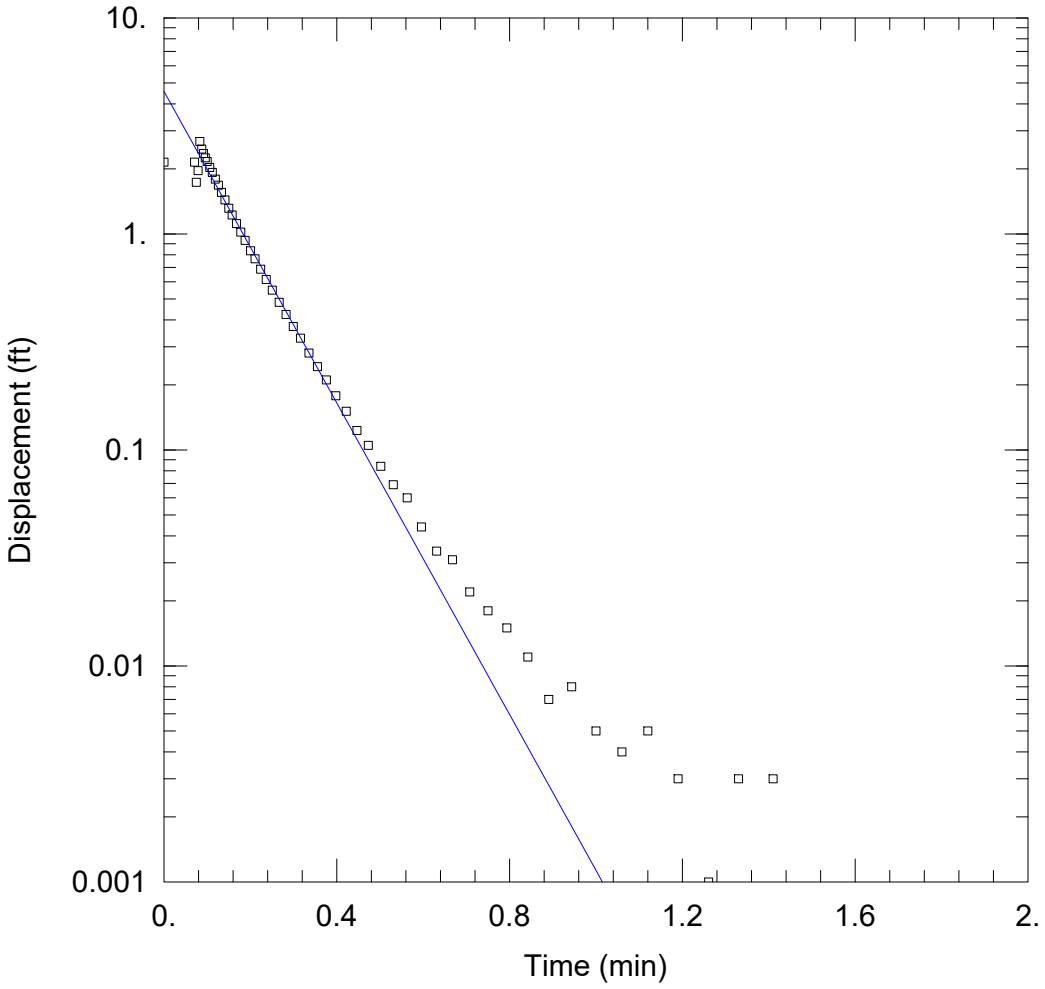
WELL DATA (MW-18)

Initial Displacement: 1.361 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 35.74 ft/day y0 = 2.046 ft



MW-18 RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-18 Rising Long 1.aqt
Date: 06/12/26 Time: 07:36:12

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

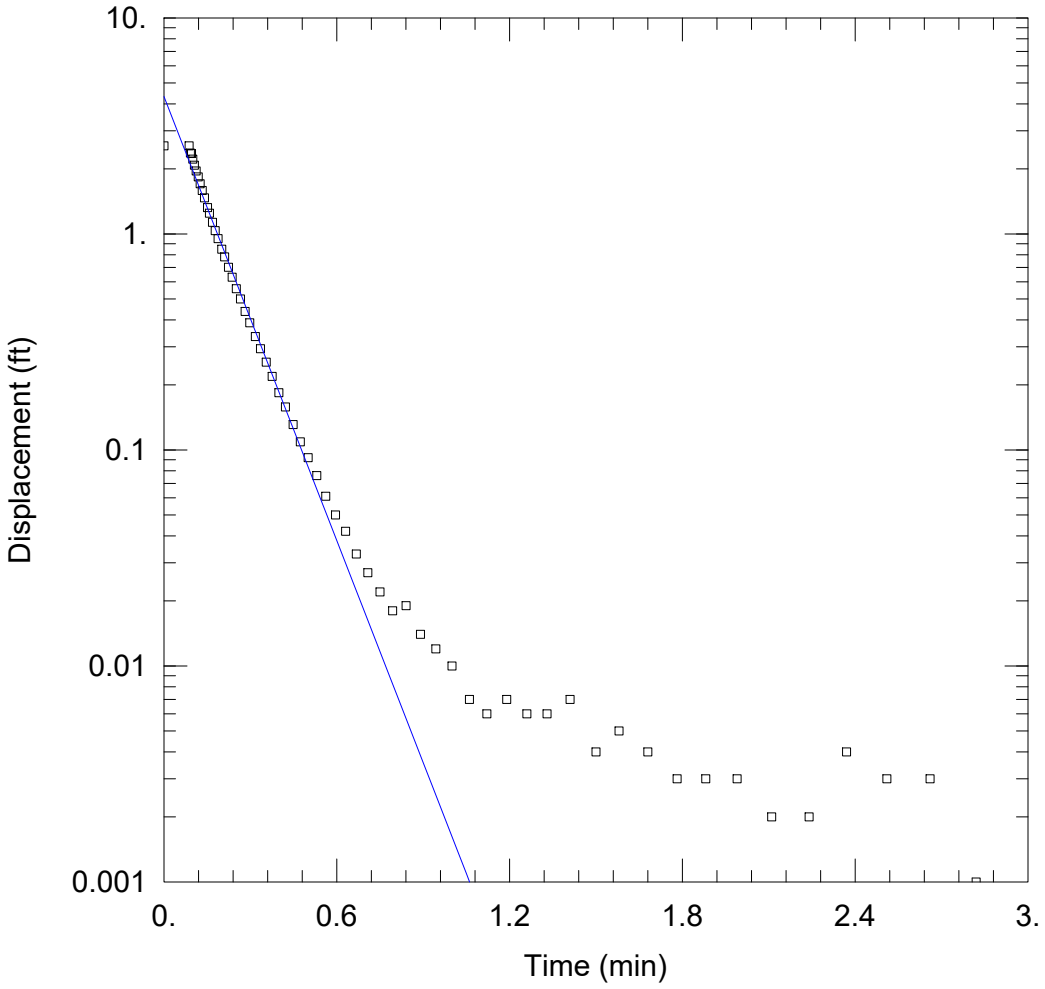
Saturated Thickness: 2.63 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-18)

Initial Displacement: 2.15 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 36.58 ft/day
y0 = 4.568 ft



MW-18 RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-18 Rising Long 2.aqt
Date: 06/12/26 Time: 08:25:57

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

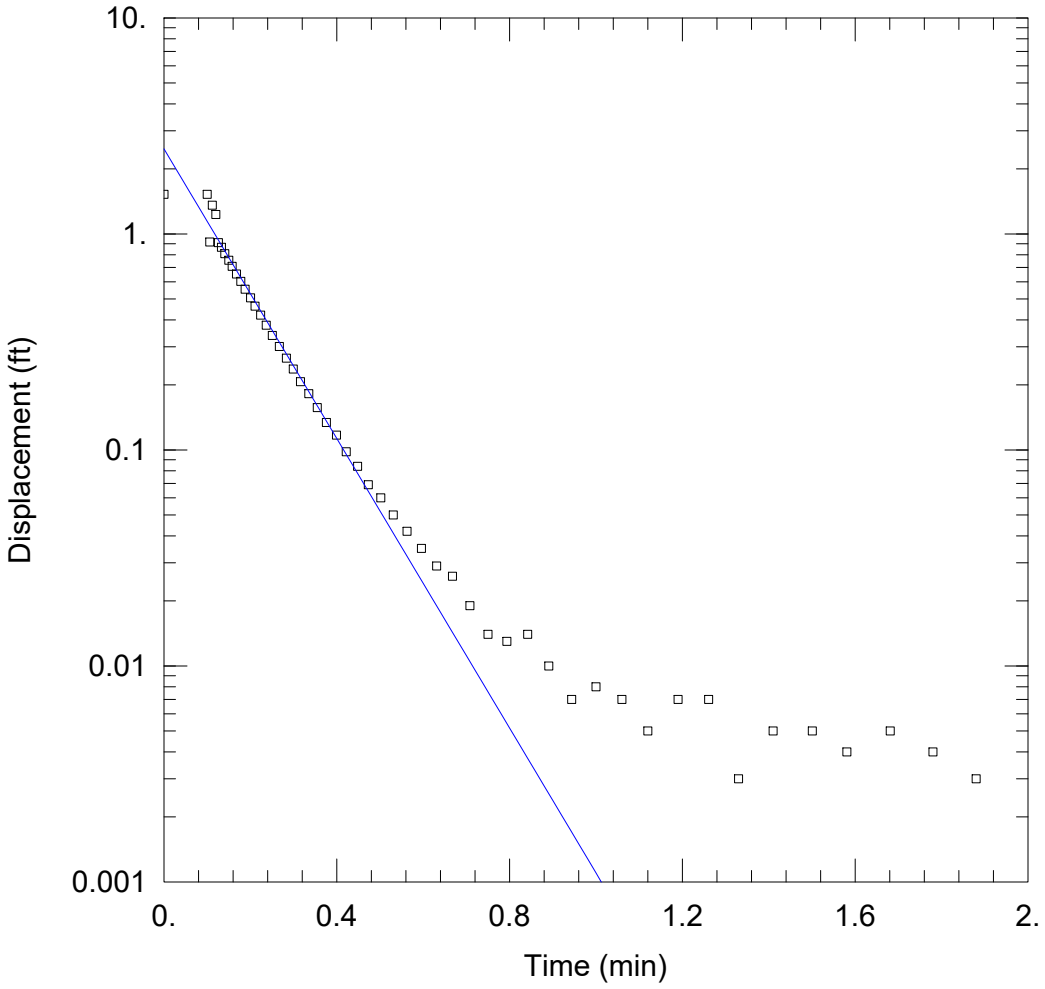
Saturated Thickness: 2.63 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-18)

Initial Displacement: 2.558 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 34.75 ft/day
y0 = 4.324 ft



MW-18 FALLING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-18 Falling Short 1.aqt
Date: 06/11/26 Time: 10:56:43

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

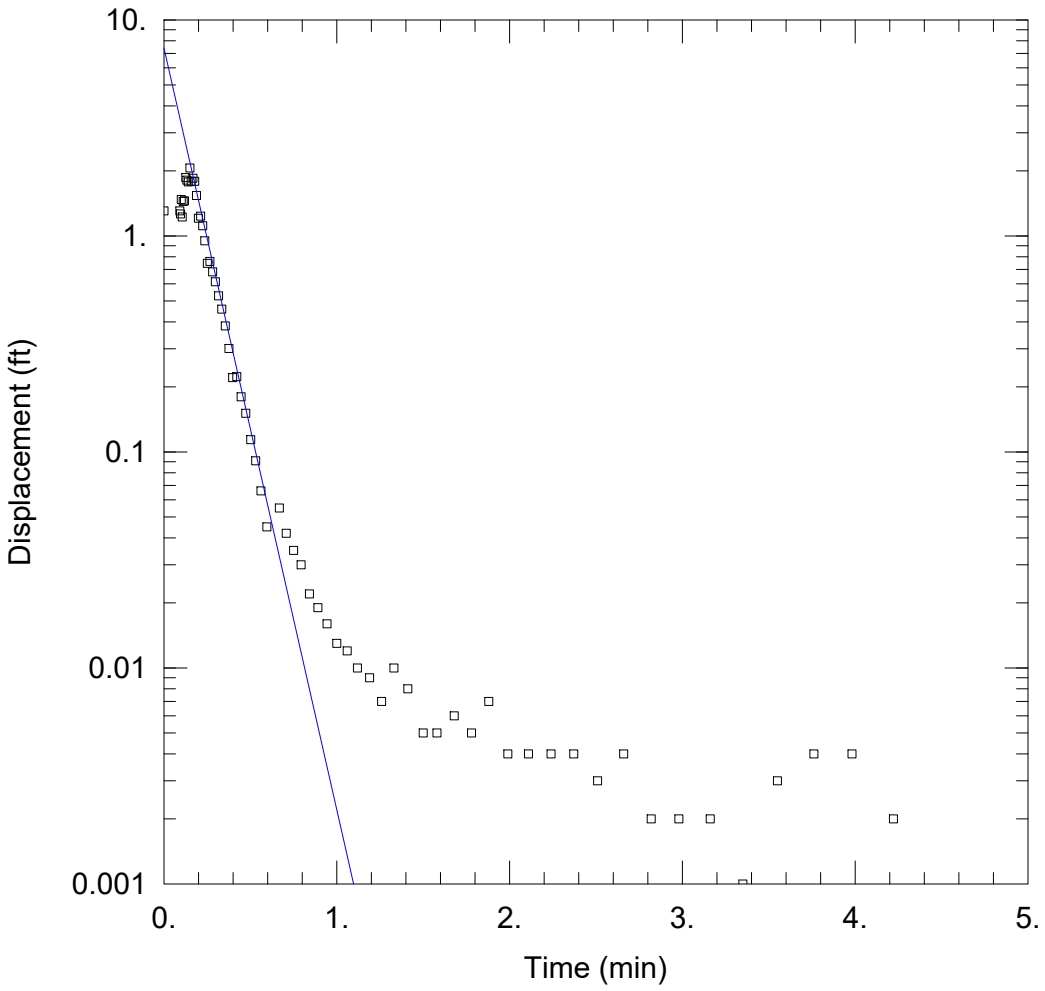
Saturated Thickness: 2.63 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-18)

Initial Displacement: 1.526 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 34. ft/day
y0 = 2.475 ft



MW-18 FALLING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-18 Falling Long 1.aqt
Date: 06/11/26 Time: 10:22:43

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 2.63 ft Anisotropy Ratio (Kz/Kr): 1.

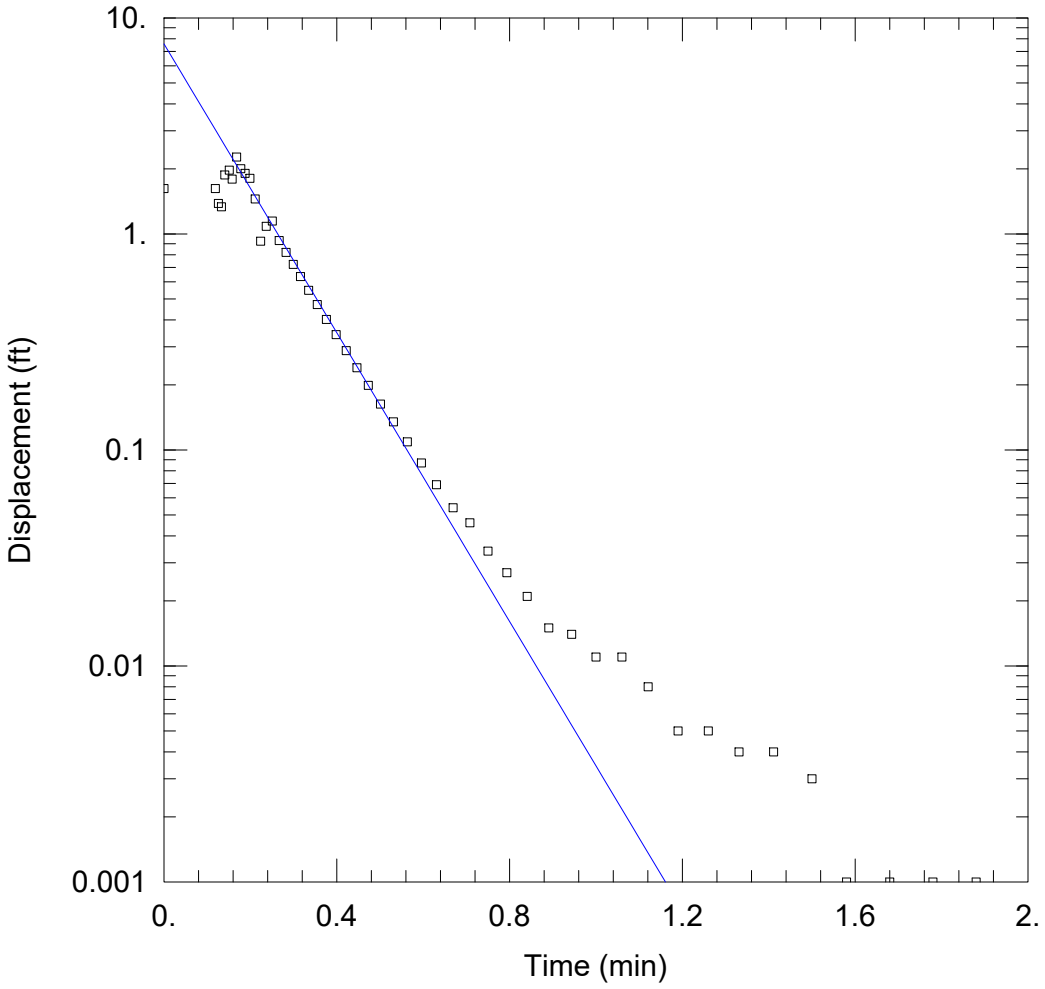
WELL DATA (MW-18)

Initial Displacement: 1.307 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 35.77 ft/day y0 = 7.406 ft



MW-18 FALLING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-18 Falling Long 2.aqt
Date: 06/11/26 Time: 10:39:42

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-18
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 2.63 ft Anisotropy Ratio (Kz/Kr): 1.

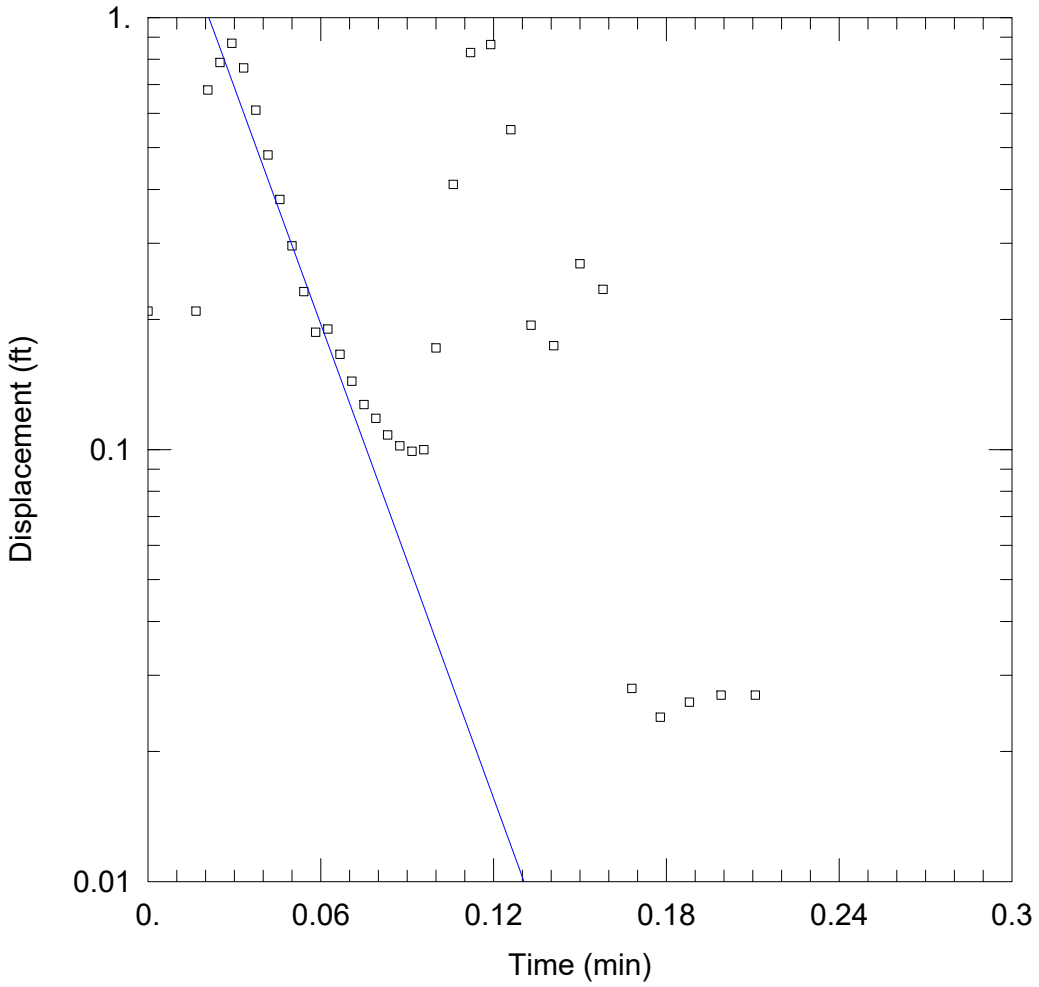
WELL DATA (MW-18)

Initial Displacement: 1.623 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.63 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 33.91 ft/day y0 = 7.58 ft



MW-22S RISING HEAD - SHORT SLUG TEST 1

Data Set: F:\...\MW-22S Rising Short 1.aqt
Date: 07/23/26 Time: 09:35:23

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.01 ft Anisotropy Ratio (Kz/Kr): 1.

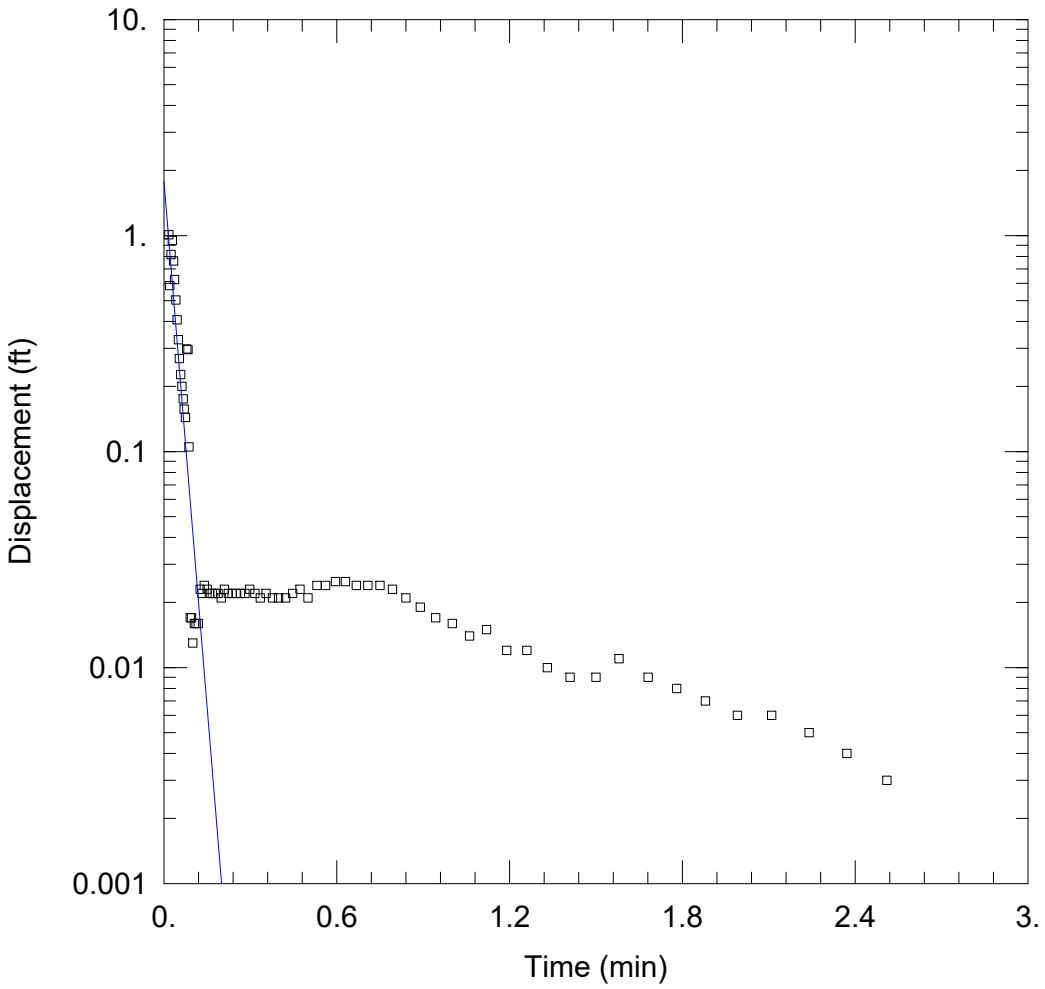
WELL DATA (MW-22S)

Initial Displacement: 0.209 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.01 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 61.34 ft/day y0 = 2.437 ft



MW-22S RISING HEAD - SHORT SLUG TEST 2

Data Set: F:\...\MW-22S Rising Short 2.aqt
Date: 07/23/26 Time: 09:39:08

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22S
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.01 ft Anisotropy Ratio (Kz/Kr): 1.

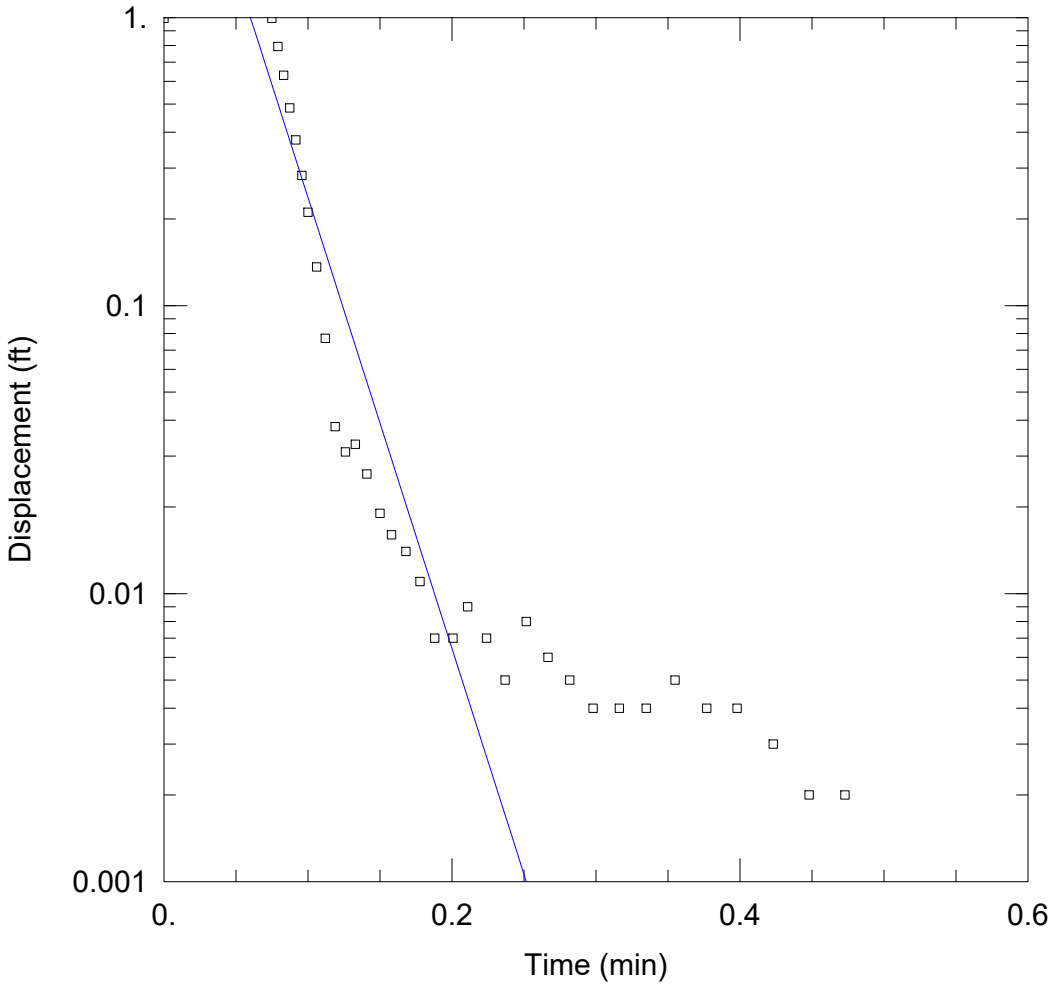
WELL DATA (MW-22S)

Initial Displacement: 1.007 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.01 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 54.52 ft/day y0 = 1.778 ft



MW-22S RISING HEAD - LONG SLUG TEST 1

Data Set: F:\...\MW-22S Rising Long 1.aqt
Date: 07/23/26 Time: 09:27:53

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22S
Test Date: 5/27/26

AQUIFER DATA

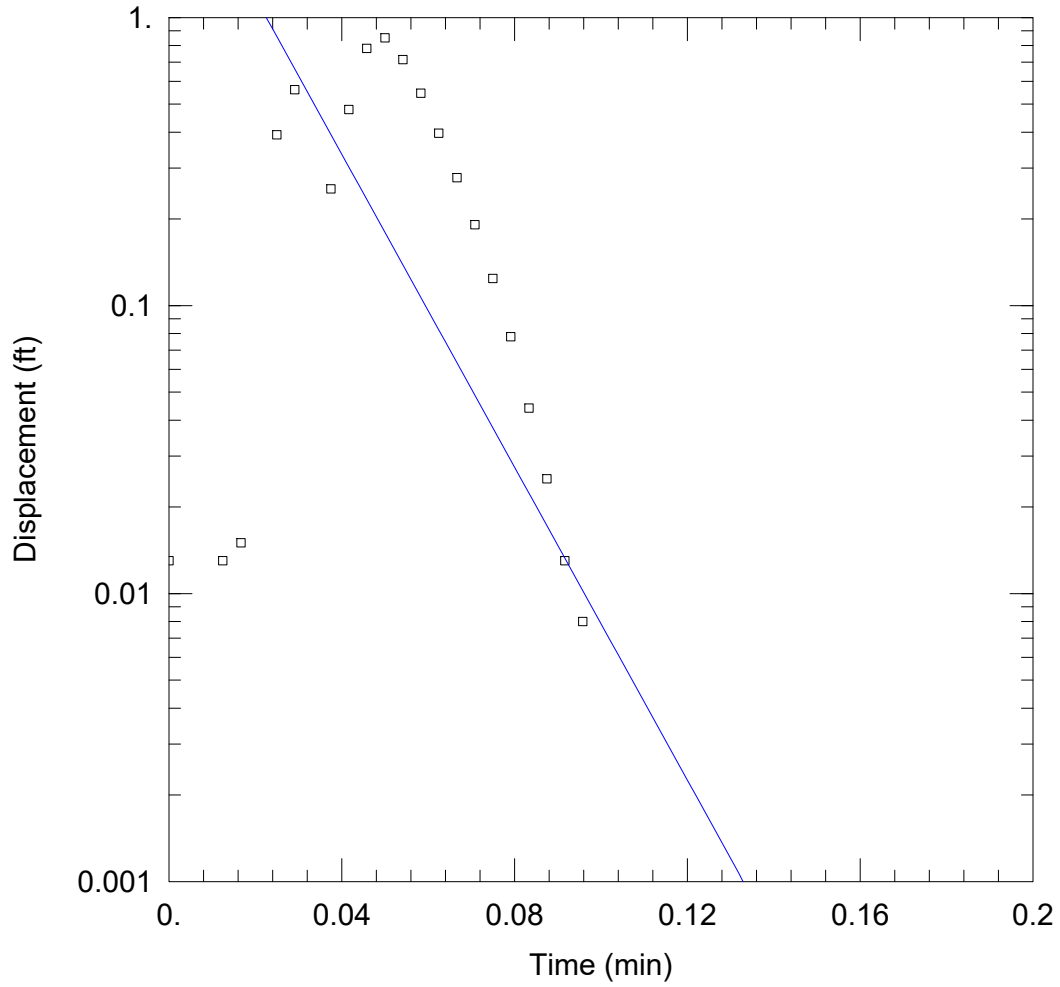
Saturated Thickness: 13.01 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-22S)

Initial Displacement: 0.994 ft
Total Well Penetration Depth: 18. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.01 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 52.55 ft/day
y0 = 8.723 ft



MW-22D RISING HEAD - SHORT SLUG TEST 1

Data Set: F:\...\MW-22D Rising Short Slug Test 1.aqt
Date: 07/23/26 Time: 09:22:50

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22D
Test Date: 5/27/26

AQUIFER DATA

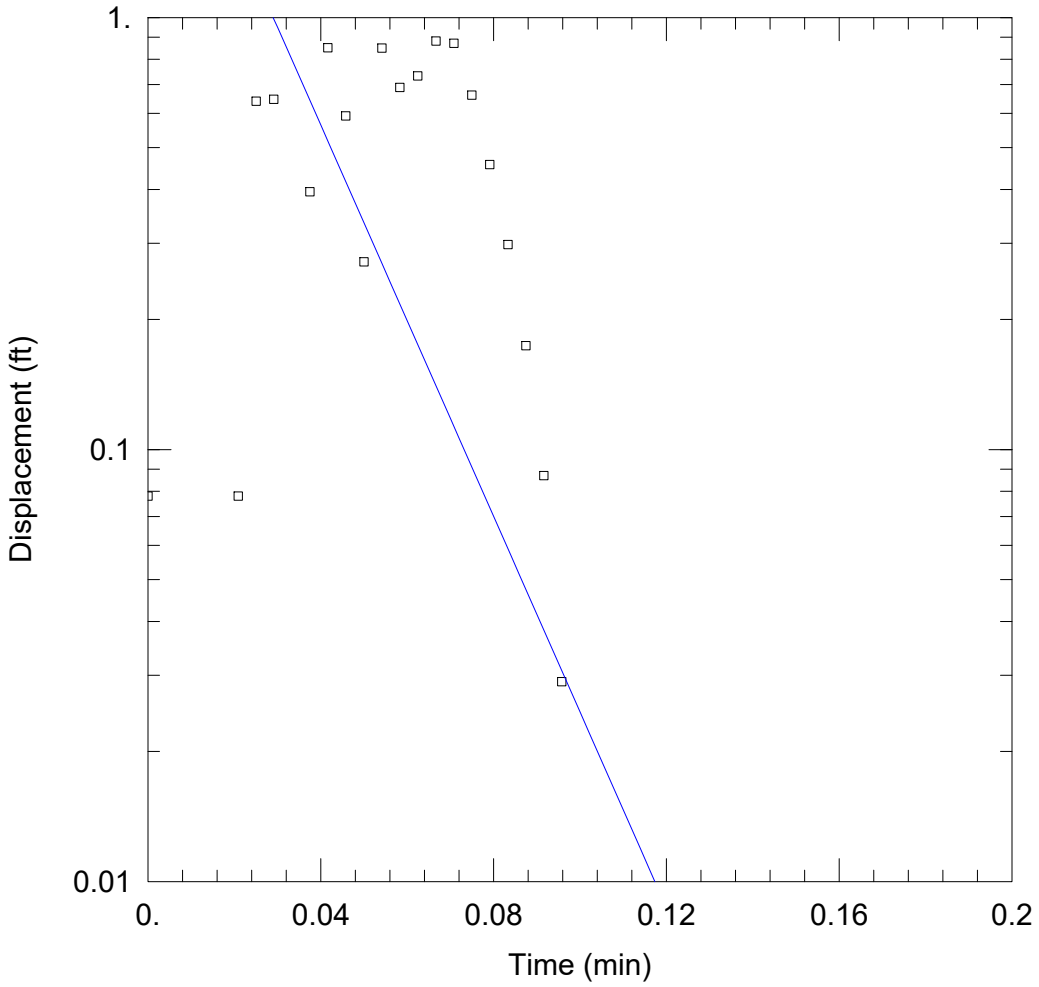
Saturated Thickness: 13.13 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-22D)

Initial Displacement: 0.013 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.13 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 97.81 ft/day
y0 = 4.093 ft



MW-22D RISING HEAD - LONG SLUG TEST 1

Data Set: F:\...\MW-22D Rising Long Slug Test 1.aqt
Date: 07/23/26 Time: 09:15:44

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22D
Test Date: 5/27/26

AQUIFER DATA

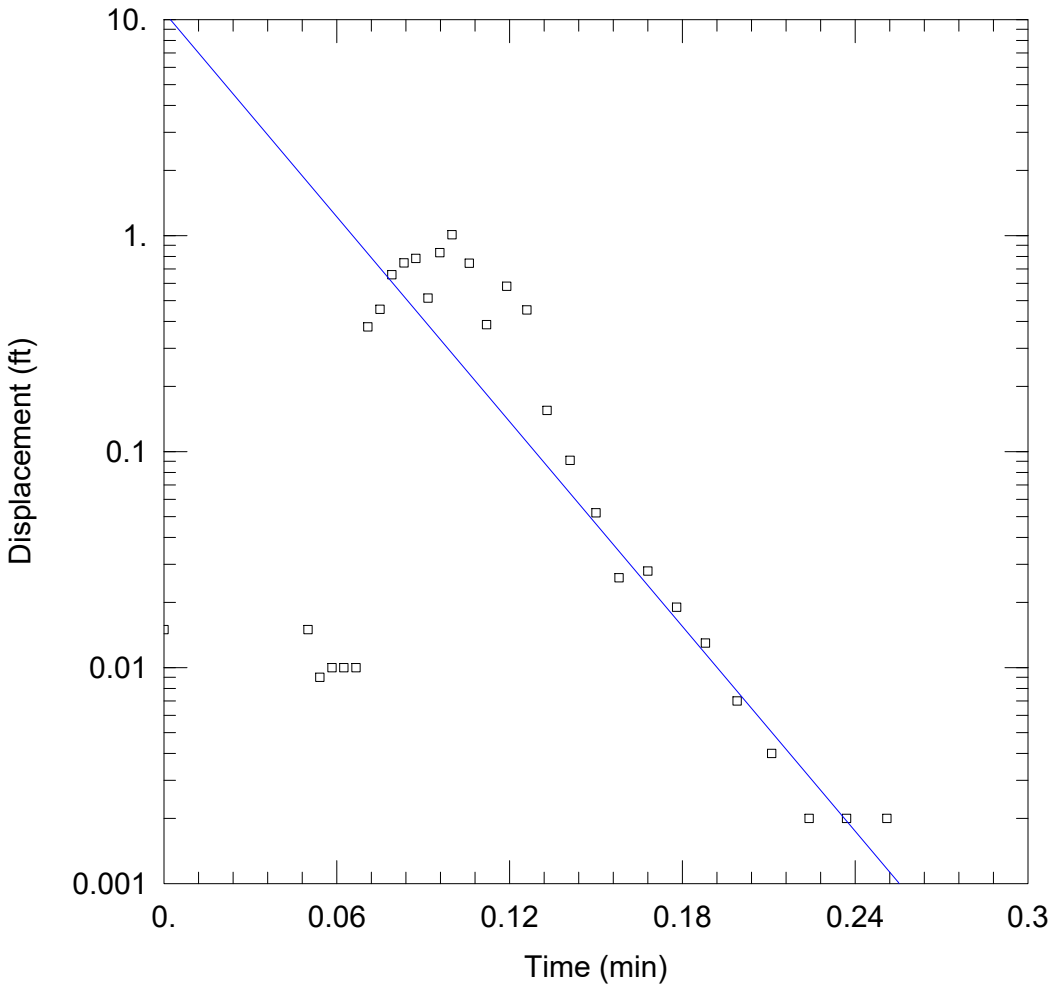
Saturated Thickness: 13.13 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-22D)

Initial Displacement: 0.078 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.13 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 81.53 ft/day
y0 = 4.537 ft



MW-22D FALLING HEAD - 3' SLUG

Data Set: F:\...\MW-22D Falling Short Slug Test 1.aqt
Date: 07/23/26 Time: 09:08:23

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22D
Test Date: 5/27/26

AQUIFER DATA

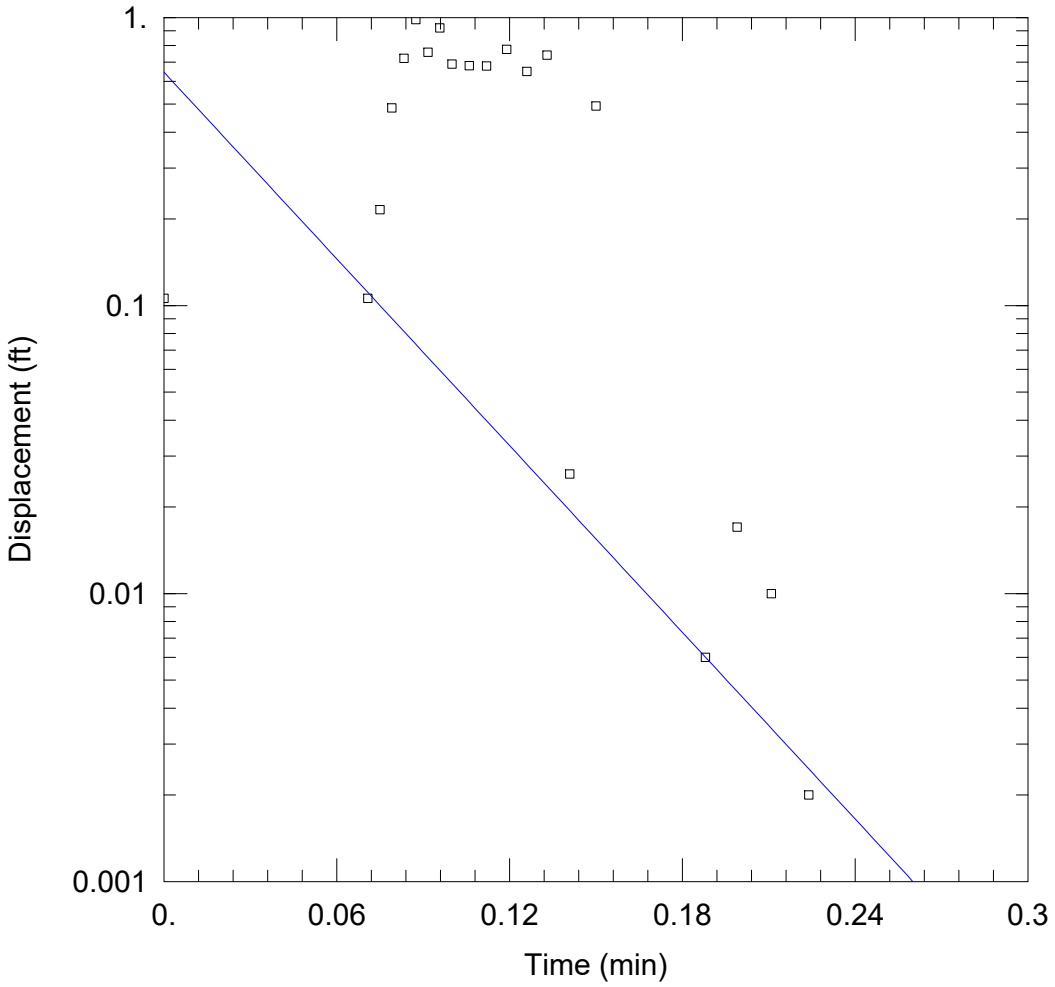
Saturated Thickness: 13.13 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-22D)

Initial Displacement: 0.015 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.13 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 56.91 ft/day
y0 = 10.85 ft



MW-22D FALLING HEAD - LONG SLUG TEST 1

Data Set: F:\...\MW-22D Falling Long Slug Test 1.aqt
Date: 07/23/26 Time: 09:01:53

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-22D
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.13 ft Anisotropy Ratio (Kz/Kr): 1.

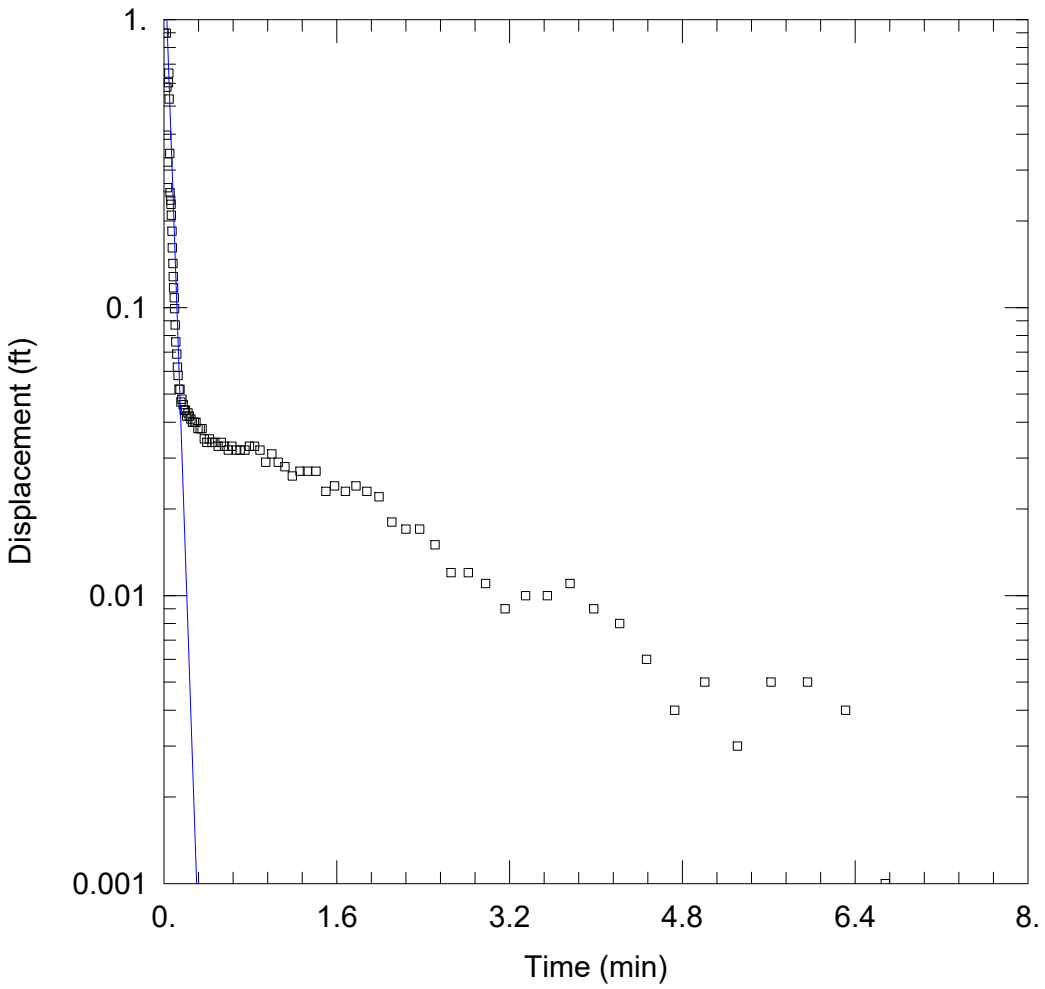
WELL DATA (MW-22D)

Initial Displacement: 0.106 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.13 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 38.9 ft/day y0 = 0.6459 ft



MW-28 RISING HEAD - SHORT SLUG TEST 1

Data Set: F:\...\MW-28 Rising Short 1.aqt
Date: 07/23/26 Time: 09:55:14

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-28
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 6.14 ft Anisotropy Ratio (Kz/Kr): 1.

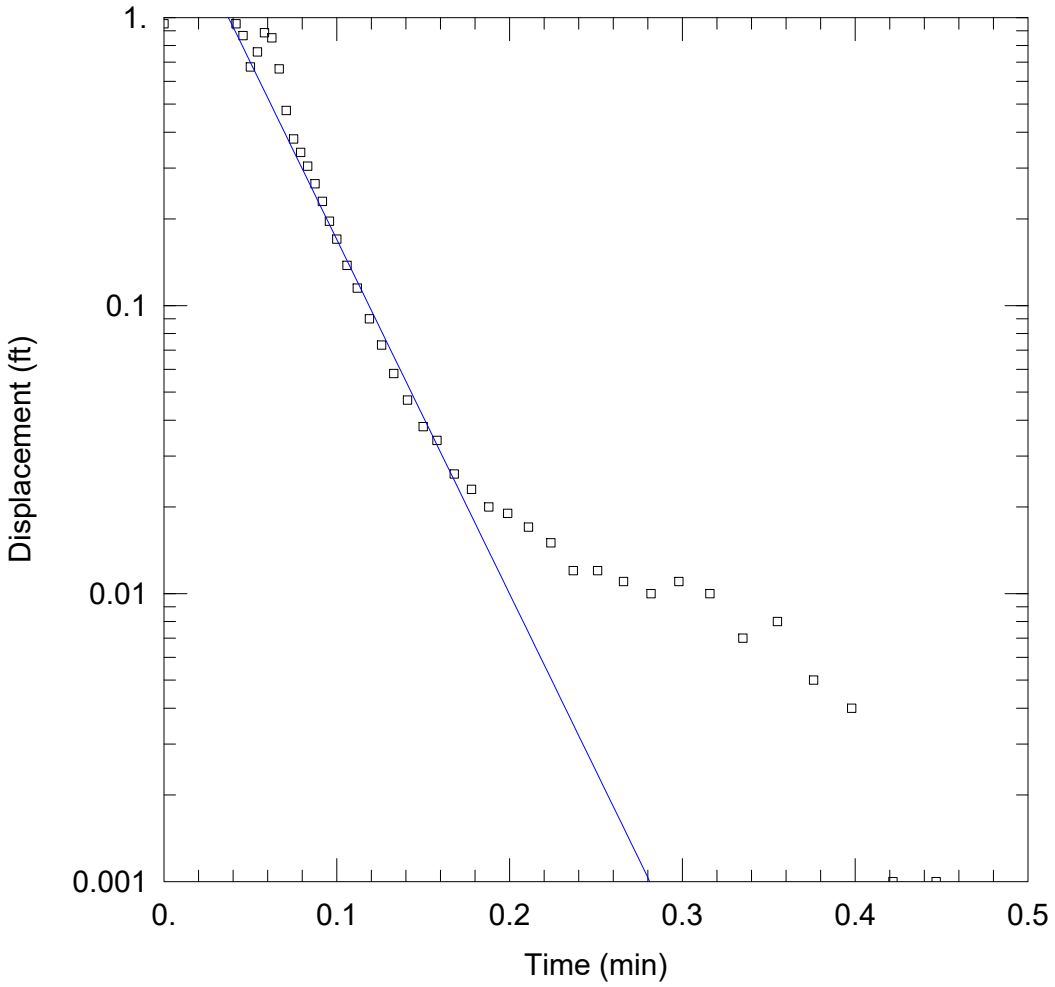
WELL DATA (MW-28)

Initial Displacement: 0.898 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.14 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 54.09 ft/day y0 = 2.009 ft



MW-28 RISING HEAD - LONG SLUG TEST 1

Data Set: F:\...\MW-28 Rising Long 1.aqt
Date: 07/23/26 Time: 09:49:16

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-28
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 6.14 ft Anisotropy Ratio (Kz/Kr): 1.

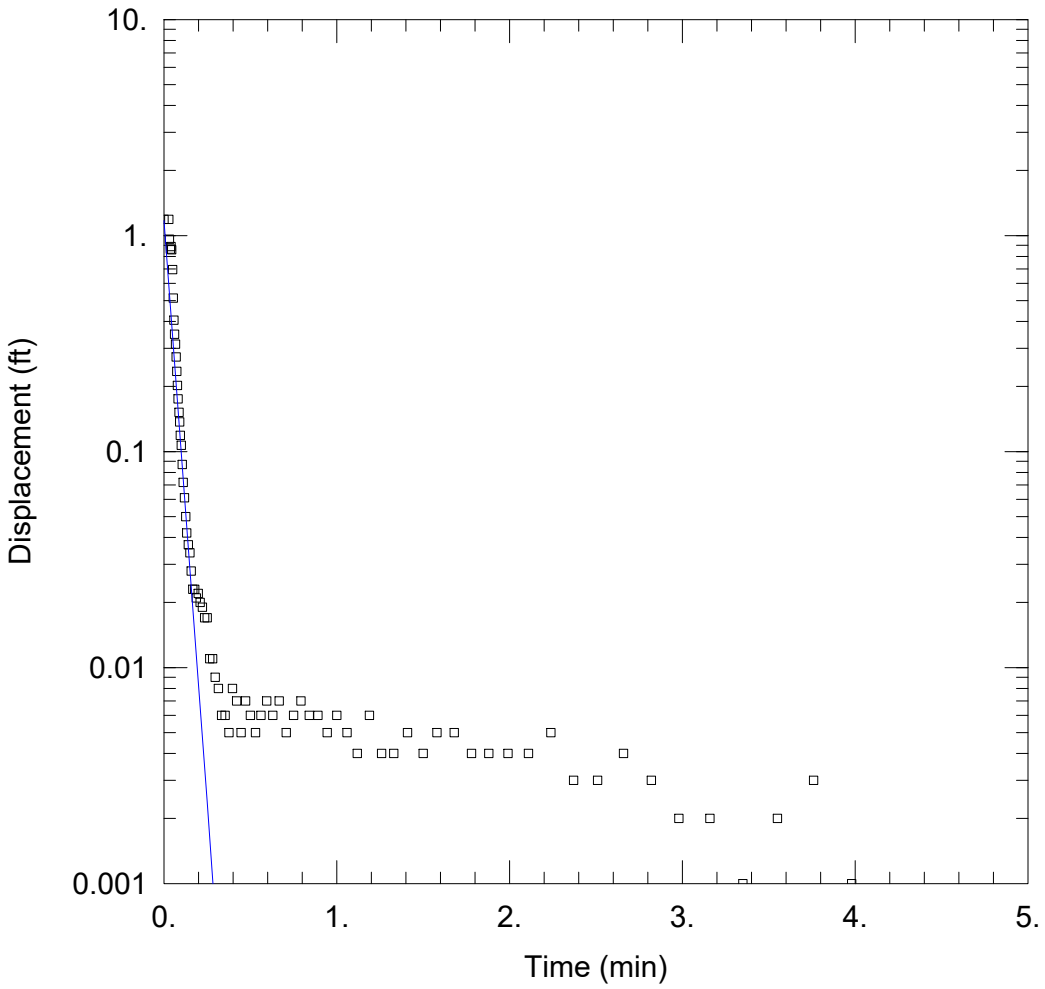
WELL DATA (MW-28)

Initial Displacement: 0.952 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.14 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 61.01 ft/day y0 = 2.88 ft



MW-28 RISING HEAD - LONG SLUG 2

Data Set: F:\...\MW-28 Rising Long 2.aqt
Date: 07/23/26 Time: 09:52:28

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-28
Test Date: 5/26/26

AQUIFER DATA

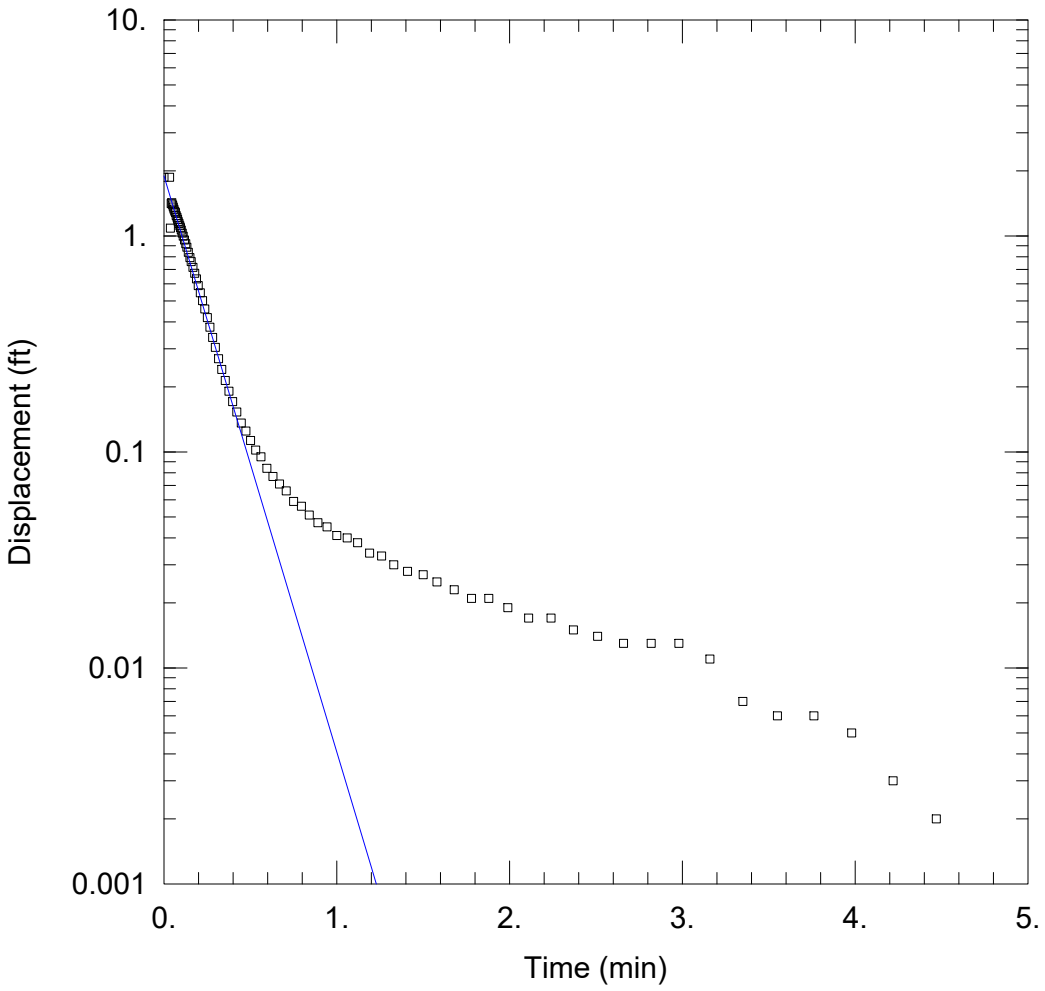
Saturated Thickness: 6.14 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-28)

Initial Displacement: 1.188 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 6.14 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 53.38 ft/day
y0 = 1.173 ft



MW-33 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-33 Rising Short 1.aqt
Date: 06/15/26 Time: 12:06:04

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-33
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.8 ft Anisotropy Ratio (Kz/Kr): 1.

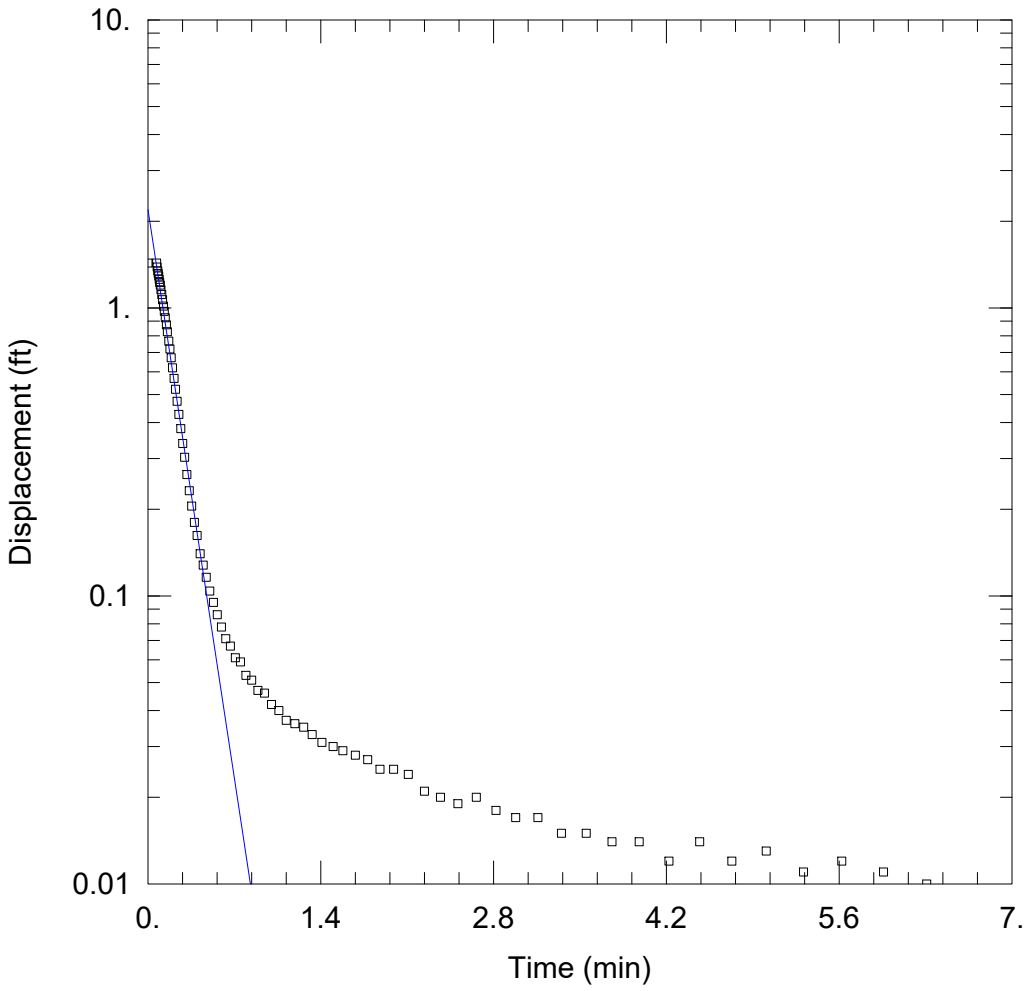
WELL DATA (MW-33)

Initial Displacement: 1.867 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.8 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 9.139 ft/day y0 = 1.896 ft



MW-33 RISING HEAD - SHORT SLUG TEST 2

Data Set: C:\...\MW-33 Rising Short 2.aqt
Date: 06/15/26 Time: 12:20:10

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-33
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.8 ft Anisotropy Ratio (Kz/Kr): 1.

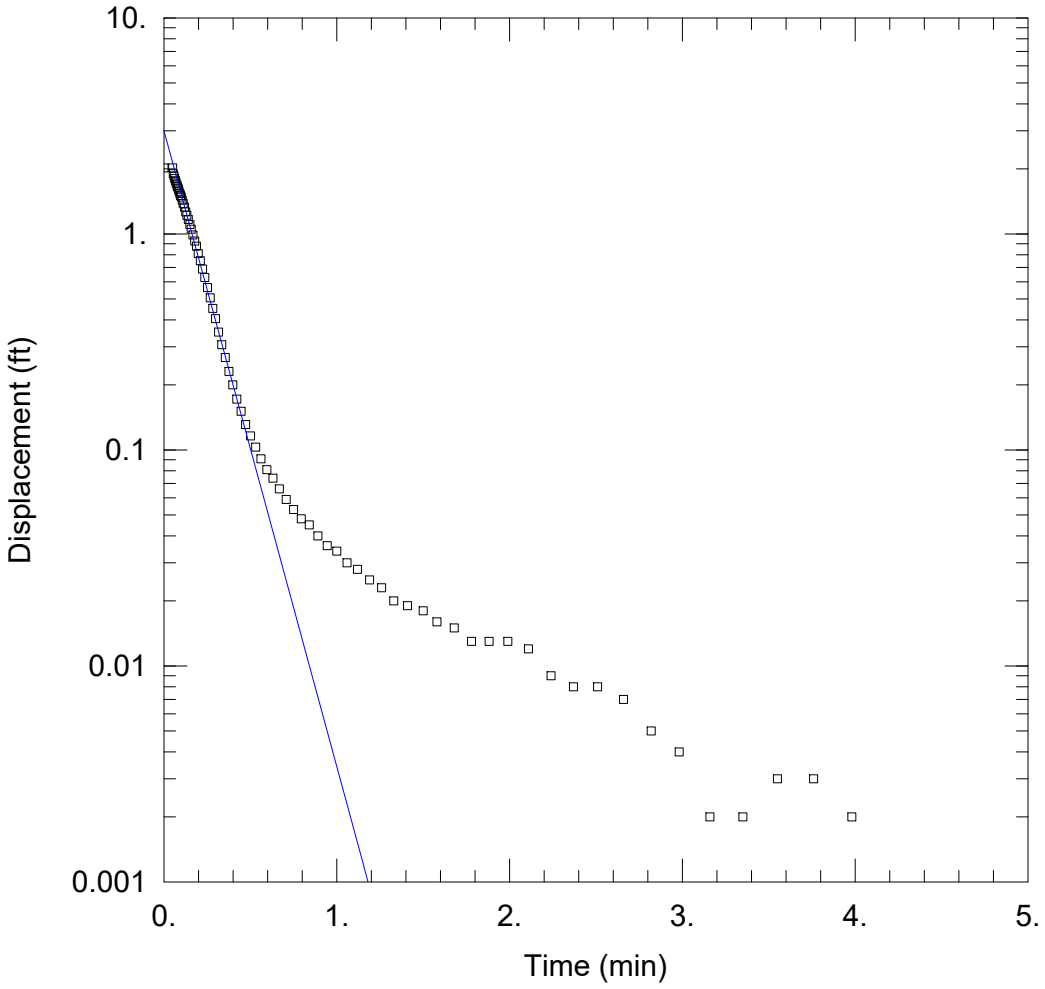
WELL DATA (MW-33)

Initial Displacement: 1.431 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.8 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 9.667 ft/day y0 = 2.196 ft



MW-33 RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-33 Rising Long 1.aqt
Date: 06/15/26 Time: 11:13:58

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-33
Test Date: 5/27/26

AQUIFER DATA

Saturated Thickness: 13.8 ft Anisotropy Ratio (Kz/Kr): 1.

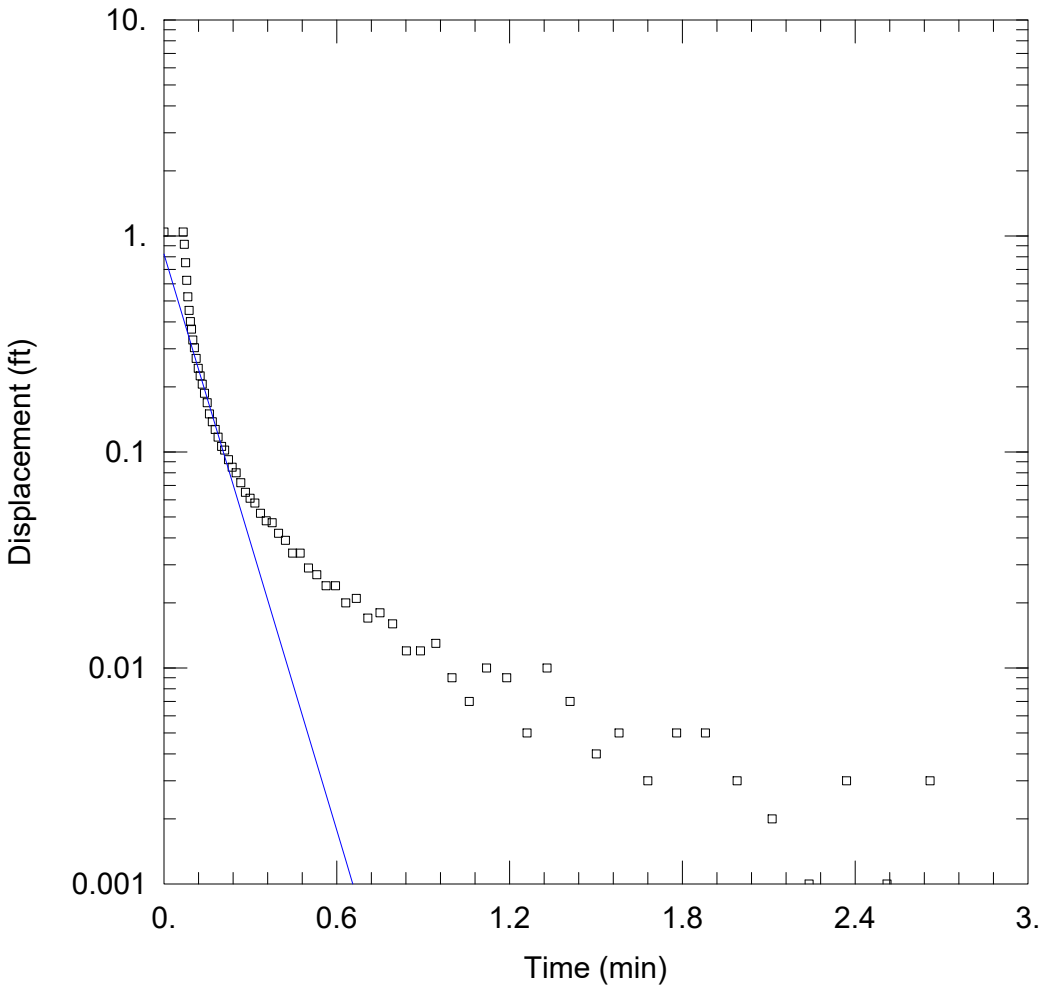
WELL DATA (MW-33)

Initial Displacement: 2.022 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.083 ft
Static Water Column Height: 13.8 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 10.08 ft/day y0 = 2.999 ft



MW-35D RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-35D Rising Short 1.aqt
Date: 06/16/26 Time: 07:36:21

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-35D
Test Date: 5/20/26

AQUIFER DATA

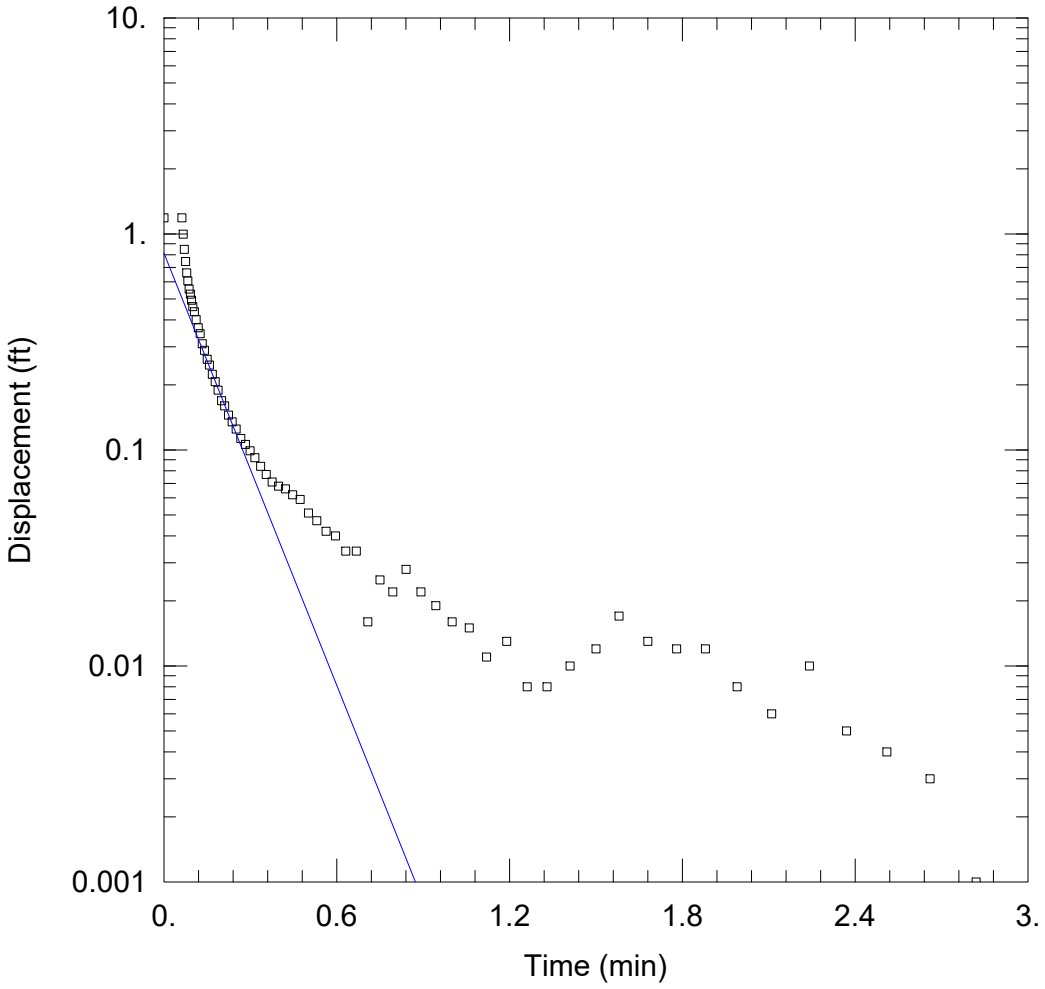
Saturated Thickness: 14.12 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-35D)

Initial Displacement: 1.042 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14.12 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 16.12 ft/day
y0 = 0.8235 ft



MW-35D RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-35D Rising Long 1.aqt
Date: 06/16/26 Time: 06:34:24

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-35D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 14.12 ft Anisotropy Ratio (Kz/Kr): 1.

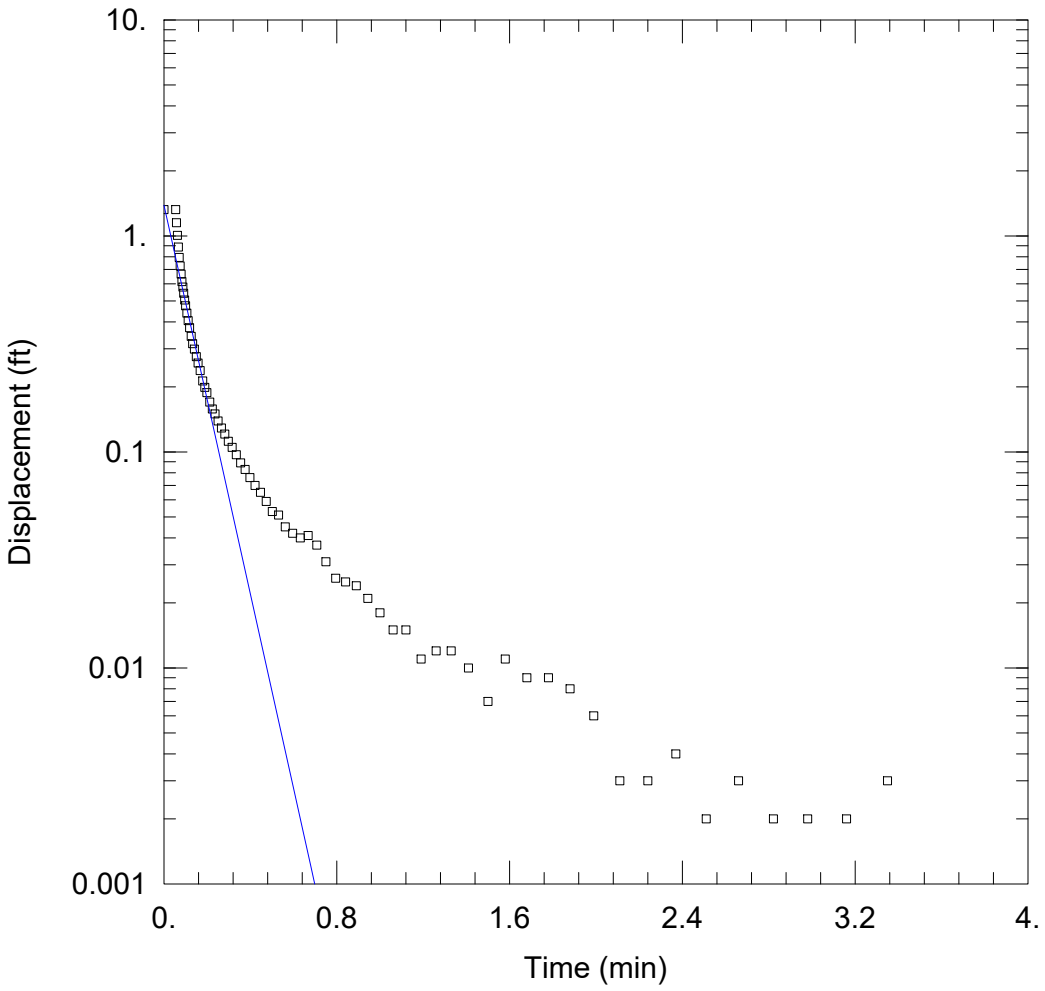
WELL DATA (MW-35D)

Initial Displacement: 1.187 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14.12 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 12.09 ft/day y0 = 0.8138 ft



MW-35D RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-35D Rising Long 2.aqt
Date: 06/16/26 Time: 07:05:05

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-35D
Test Date: 5/20/26

AQUIFER DATA

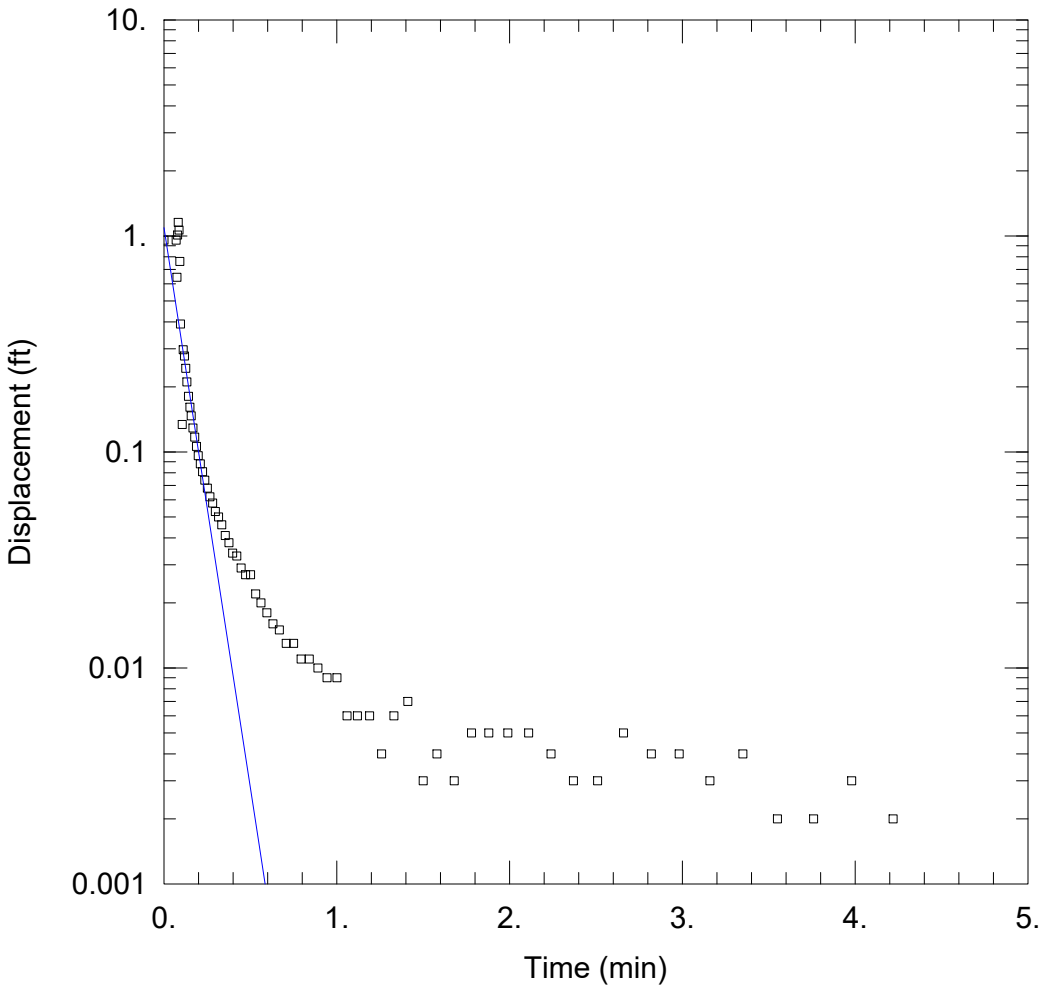
Saturated Thickness: 14.12 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-35D)

Initial Displacement: 1.325 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14.12 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 16.32 ft/day
y0 = 1.387 ft



MW-35D FALLING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-35D Falling Short 1.aqt
Date: 06/15/26 Time: 13:16:42

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-35D
Test Date: 5/20/26

AQUIFER DATA

Saturated Thickness: 14.12 ft Anisotropy Ratio (Kz/Kr): 1.

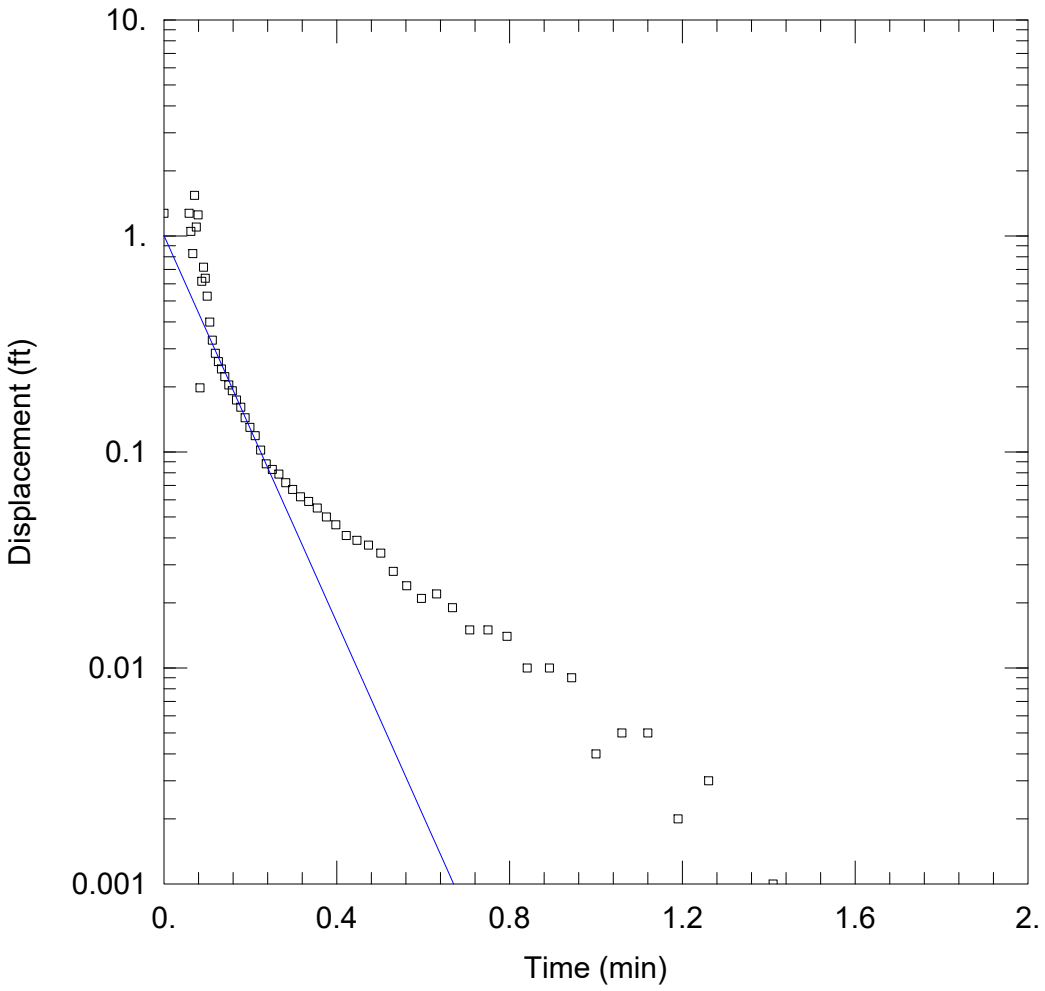
WELL DATA (MW-35D)

Initial Displacement: 0.956 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14.12 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 18.8 ft/day y0 = 1.092 ft



MW-35D FALLING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-35D Falling Long 1.aqt
Date: 06/15/26 Time: 12:54:39

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-35D
Test Date: 5/20/26

AQUIFER DATA

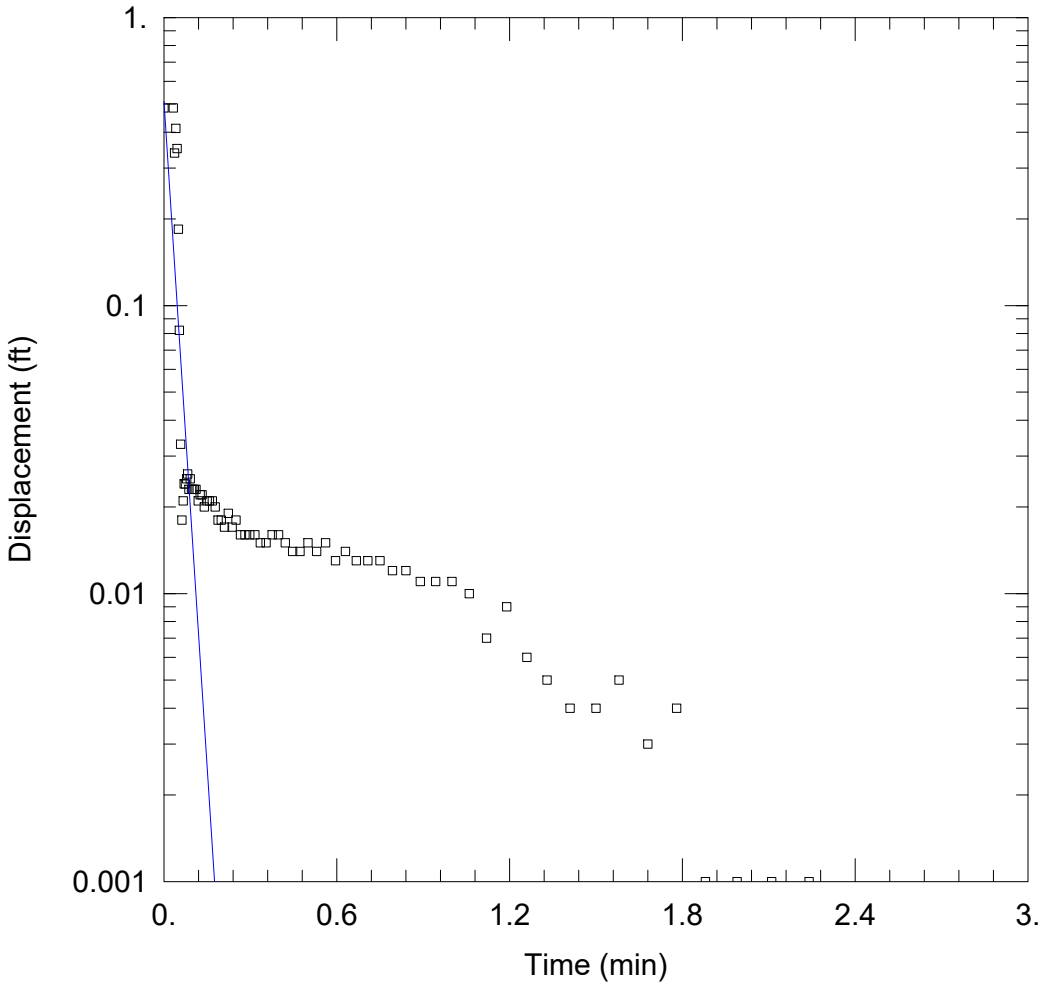
Saturated Thickness: 14.12 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-35D)

Initial Displacement: 1.274 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14.12 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 16.23 ft/day
y0 = 1.004 ft



MW-37 RISING HEAD - SHORT SLUG TEST 1

Data Set: F:\...\MW-37 Rising Short 1.aqt
Date: 07/23/26 Time: 10:07:51

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-37
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 5.53 ft Anisotropy Ratio (Kz/Kr): 1.

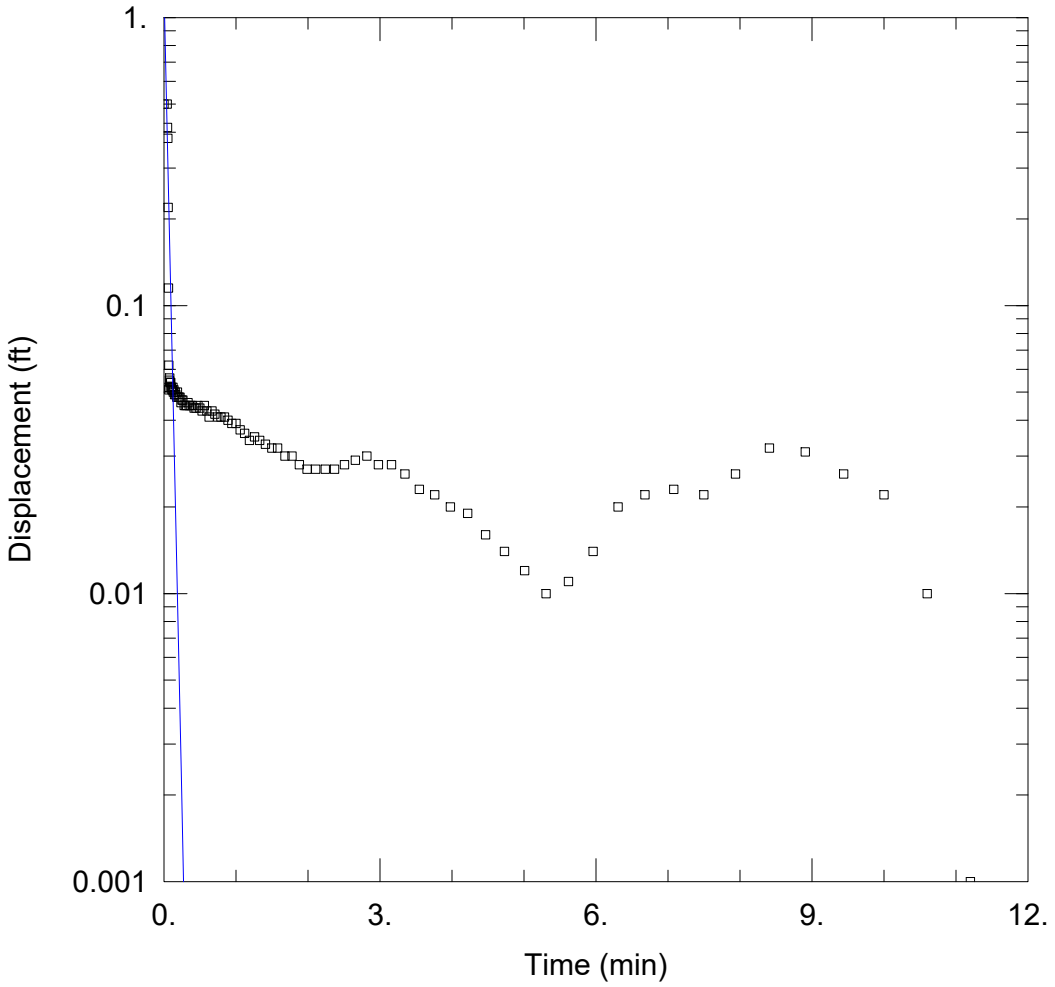
WELL DATA (MW-37)

Initial Displacement: 0.485 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.53 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 83.54 ft/day y0 = 0.5109 ft



MW-37 RISING HEAD - SHORT SLUG TEST 2

Data Set: \...\MW-37 Rising Short 2.aqt
Date: 07/29/26 Time: 06:38:19

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-37
Test Date: 5/26/26

AQUIFER DATA

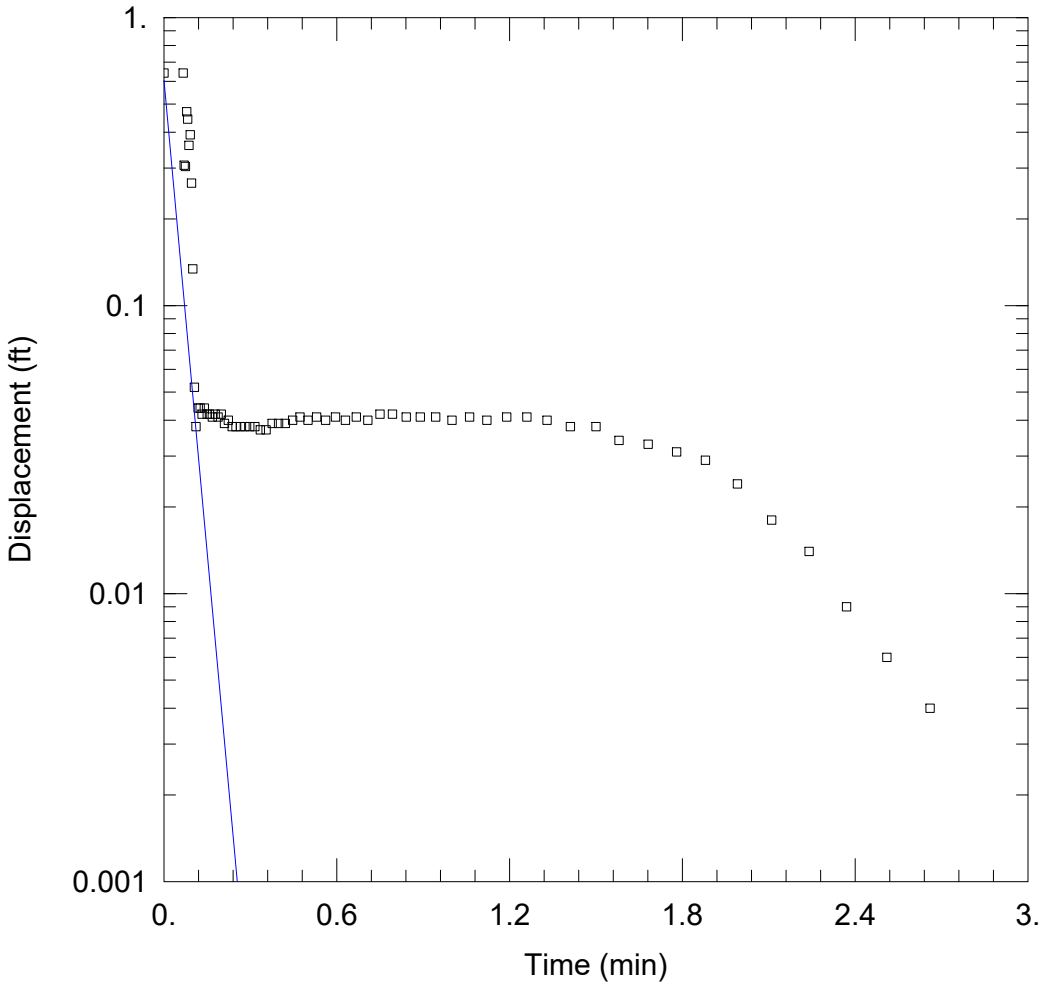
Saturated Thickness: 5.53 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-37)

Initial Displacement: 0.5 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.53 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 61.64 ft/day
y0 = 1.294 ft



MW-37 RISING HEAD - LONG SLUG TEST 1

Data Set: F:\...\MW-37 Rising Long 1.aqt
Date: 07/23/26 Time: 10:02:36

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-37
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 5.53 ft Anisotropy Ratio (Kz/Kr): 1.

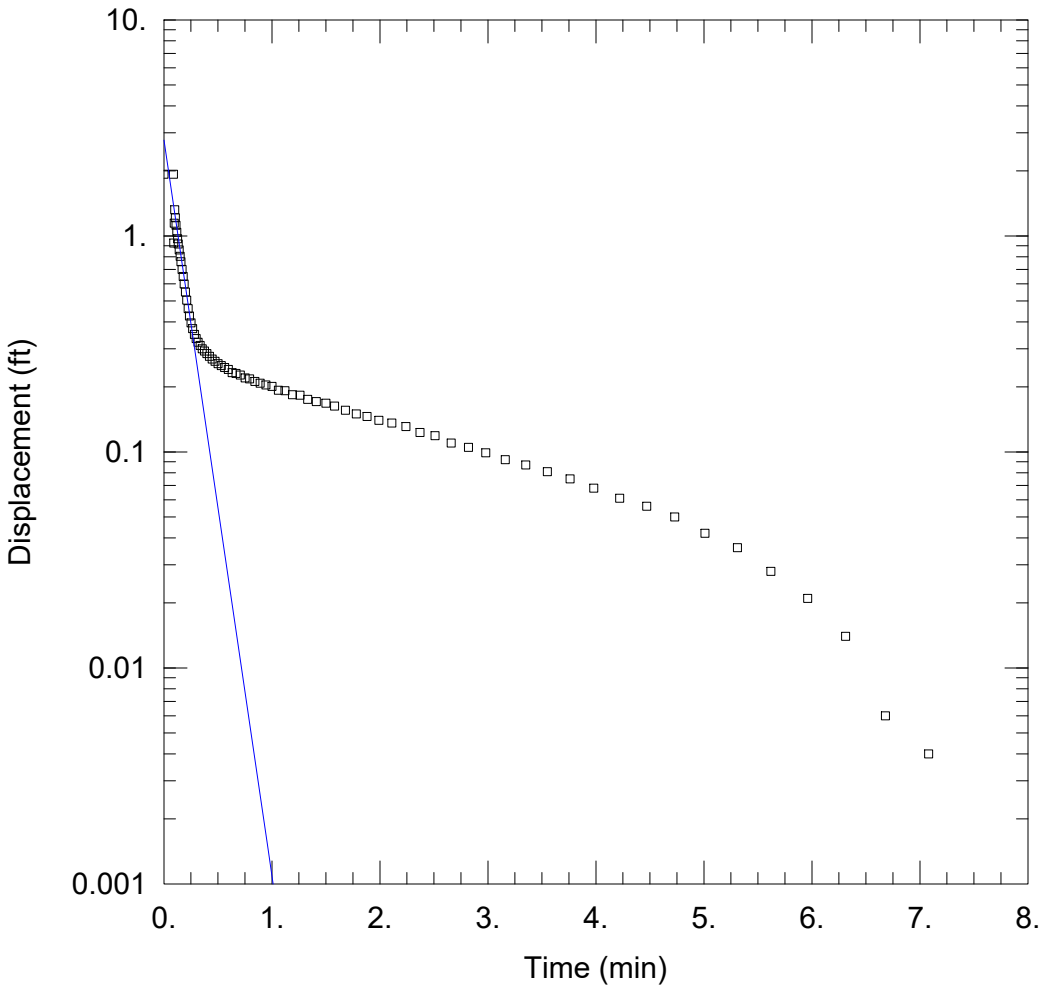
WELL DATA (MW-37)

Initial Displacement: 0.641 ft
Total Well Penetration Depth: 15. ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.53 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 59.21 ft/day y0 = 0.6043 ft



MW-44 RISING HEAD - SHORT SLUG TEST 1

Data Set: C:\...\MW-44 Rising Short 1.aqt
Date: 06/16/26 Time: 12:08:47

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-44
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 7.97 ft Anisotropy Ratio (Kz/Kr): 1.

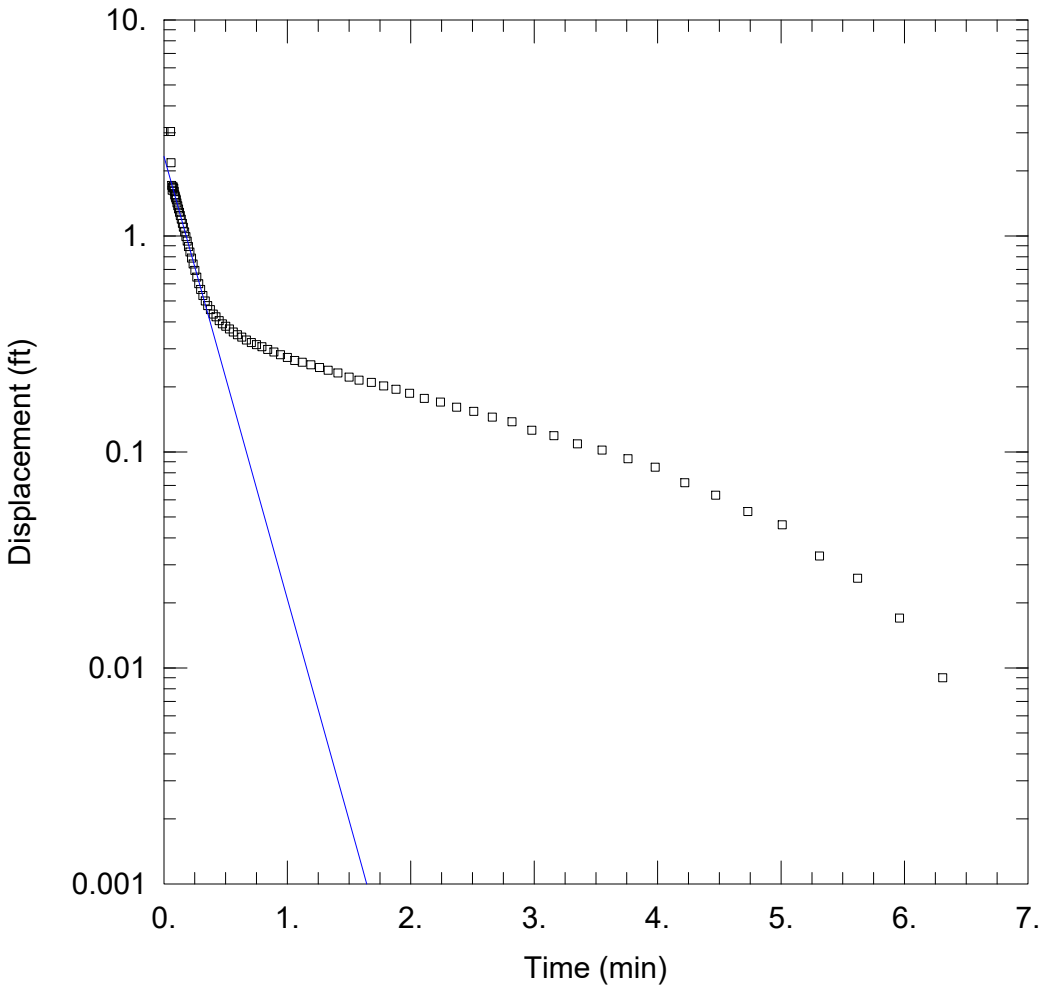
WELL DATA (MW-44)

Initial Displacement: 1.929 ft
Total Well Penetration Depth: 15.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.97 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 13.6 ft/day y0 = 2.775 ft



MW-44 RISING HEAD - LONG SLUG TEST 1

Data Set: C:\...\MW-44 Rising Long 1.aqt
Date: 06/16/26 Time: 11:26:18

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-44
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 7.97 ft Anisotropy Ratio (Kz/Kr): 1.

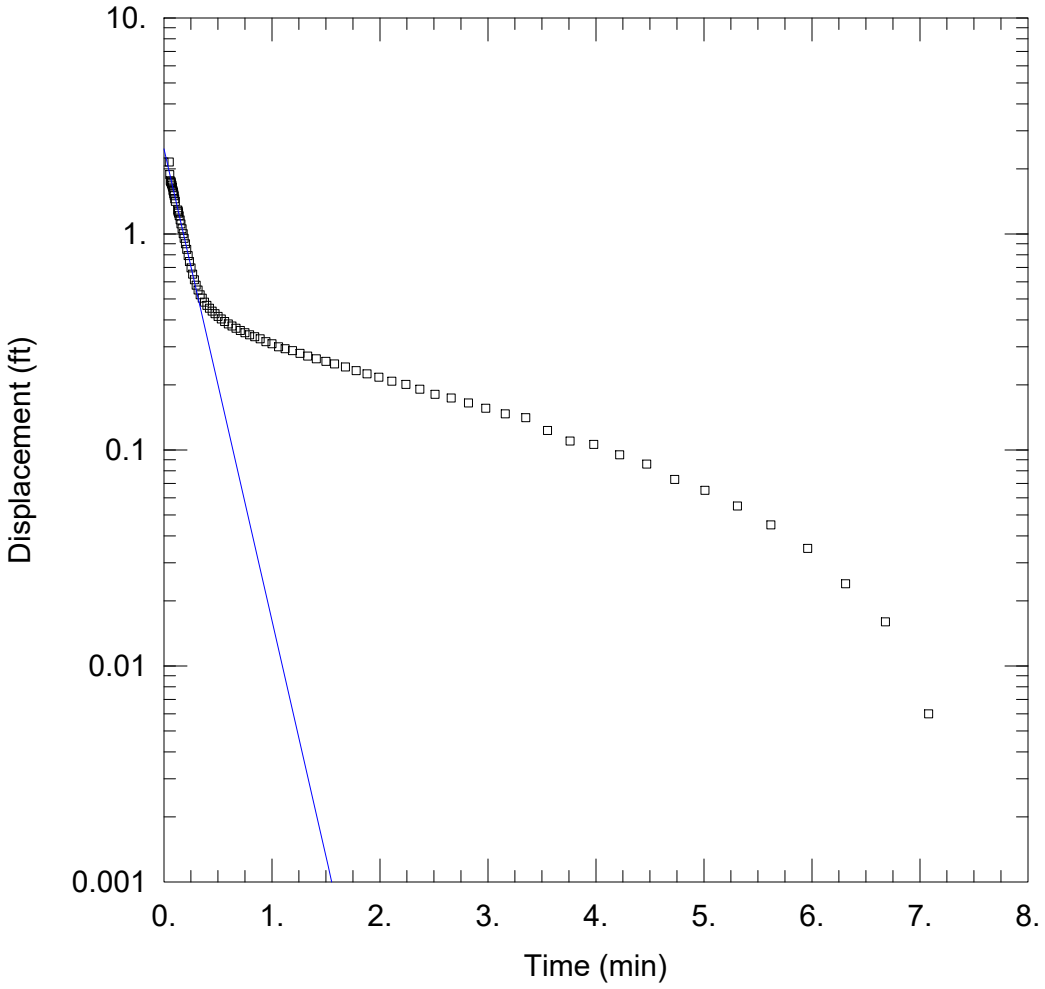
WELL DATA (MW-44)

Initial Displacement: 3.041 ft
Total Well Penetration Depth: 15.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.97 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 8.186 ft/day y0 = 2.332 ft



MW-44 RISING HEAD - LONG SLUG TEST 2

Data Set: C:\...\MW-44 Rising Long 2.aqt
Date: 06/16/26 Time: 11:50:18

PROJECT INFORMATION

Company: Michael Baker International
Client: PADEP
Project: 208908
Location: Erie Coke Works
Test Well: MW-44
Test Date: 5/26/26

AQUIFER DATA

Saturated Thickness: 7.97 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-44)

Initial Displacement: 2.153 ft
Total Well Penetration Depth: 15.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.97 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 8.721 ft/day y0 = 2.474 ft

Michael Baker
INTERNATIONAL

ATTACHMENT D

Groundwater Analytical Results – December 2024

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Sample ID			MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Date			12/11/2024	12/10/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/13/2024	12/13/2024	12/11/2024	12/12/2024	12/12/2024	12/13/2024	12/17/2024	12/18/2024	12/18/2024	12/12/2024	12/12/2024
Volatile Organic Compounds (µg/L) [1]																			
1,2,4-Trimethylbenzene	130	530	1 U	**13.2** J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**87.7**	**171** J	**37.8**	**155**	**170**	**2.1**	**78.6**
1,3,5-Trimethylbenzene	130	530	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**7** J	500 U	**11.8** J	**62.7**	**76.7**	1 U	**15.7** J
Acetone	31,000	88,000	10 U	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	200 U	5,000 U	200 U	500 U	500 U	10 U	500 U
Benzene	5	5	**0.54** J	**4,050**	1 U	1 U	**0.41** J	1 U	1 U	1 U	1 U	5 U	**750**	**308** J	**491**	**4,640**	**10,400**	**186**	**2,150**
Bromomethane	10	10	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	20 U	500 U	**27.8**	50 U	50 U	1 U	50 U
Carbon Disulfide	1,500	6,200	**0.4** J	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	20 U	500 U	**5.8** J	50 U	50 U	1 U	50 U
Chloroform	80	80	**8**	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	20 U	500 U	20 U	50 U	50 U	1 U	50 U
Chloromethane	30	30	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	20 U	500 U	20 U	50 U	50 U	1 U	50 U
Ethylbenzene	700	700	1 U	**27.6** J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**94.7**	500 U	**16.2** J	**87.4**	**107**	**2.5**	**25.5** J
Isopropylbenzene	840	3,500	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**6.9** J	500 U	20 U	50 U	50 U	**0.48** J	50 U
m&p-Xylene [2]	10,000 [3]	10,000 [3]	2 U	100 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	**20.1** J	1,000 U	**60.1**	**406**	**604**	**3.2**	**49.6** J
o-Xylene	10,000 [3]	10,000 [3]	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**14.4** J	500 U	**35.9**	**205**	**283**	**3.3**	**61.7**
Styrene	100	100	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	20 U	500 U	**11** J	**22** J	**25.9** J	**0.24** J	50 U
Toluene	1,000	1,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	**37.6**	500 U	**60.2**	**711**	**1,500**	**0.6** J	**12.9** J
Total Xylenes	10,000	10,000	3 U	150 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	15 U	**34.5** J	1,500 U	**96**	**612**	**887**	**6.5**	**111** J
Semi-Volatile Organic Compounds (µg/L) [4]																			
2,4-Dimethylphenol	690	1,900	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**60.3**	**35**	**22.1**	**267**	**2,530**	3 U	3 U
2-Methylnaphthalene	6.3	26	1.5 U	**1.2** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**6**	**99.3**	**49.5**	**88.9**	**349**	**1.1** J	**76**
4-Nitroaniline	33	140	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**4.7**	3 U	7.5 U	3 U	3 U
4-Nitrophenol	60	60	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	3 U	3 U
Acenaphthene	2,100	3,800	1.5 U	**214**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**7.4**	1.5 U	**18**	**4**	**10.3**	**1.4** J	**8.5**
Acenaphthylene	2,100	5,800	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.27** J	1.5 U	**0.41** J	**5.7**	**3.8**	**54.3**	**3.7**	**26.2**	**1.5** J	**36.8**
Acetophenone	3,500	9,700	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**7.7**	3 U	**9.5**	7.5 U	3 U	3 U
Anthracene	66	66	1.5 U	**14.3**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.33** J	1.5 U	**0.76** J	**1.1** J	**16.1**	**9.7**	**4.3**	**13.5**	1.5 U	**1.2** J
Benzo(a)anthracene	0.3	3.9	**0.53** J	**0.54** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1.4** J	**2.3**	1.5 U	3.8 U	1.5 U	1.5 U
Benzo(a)pyrene	0.2	0.2	**0.55** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.56** J	**0.99** J	1.5 U	3.8 U	1.5 U	1.5 U
Benzo(b)fluoranthene	0.18	1.2	**0.69** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.73** J	**1.1** J	1.5 U	3.8 U	1.5 U	1.5 U
Benzo(g,h,i)perylene	0.26	0.26	**0.58** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.72** J	1.5 U	3.8 U	1.5 U	1.5 U
Benzo(k)fluoranthene	0.18	0.55	**0.65** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.72** J	1.5 U	3.8 U	1.5 U	1.5 U
Biphenyl	0.84	3.5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**3** J	**2.4** J	**13.2**	**13.8**	**39.6**	**0.98** J	**12.8**
bis(2-Chloroethoxy)methane	100	290	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**0.32** J	3 U	3 U	7.5 U	3 U	3 U
bis(2-Ethylhexyl)phthalate	6	6	**0.72** J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**0.63** J	3 U	7.5 U	3 U	3 U
Butylbenzylphthalate	340	1,400	**0.5** J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**0.55** J	3 U	7.5 U	3 U	3 U
Caprolactam	NE	NE	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	3 U	3 U
Carbazole	33	140	3 U	**183**	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**104**	**353**	**154**	**131** J	**360**	**6.7**	**121**
Chrysene	1.8	1.9	**0.57** J	**0.29** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.94** J	**2.1**	1.5 U	3.8 U	1.5 U	1.5 U
Dibenzo(a,h)anthracene	0.052	0.6	**0.65** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.59** J	1.5 U	3.8 U	1.5 U	1.5 U
Dibenzofuran	35	97	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**12**	**6.6**	**77.3**	**30.7**	**82.2**	**1.9** J	**25.5**
Diethylphthalate	28,000	78,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	3 U	3 U
Di-n-Butylphthalate	3,500	9,700	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**0.45** J	3 U	7.5 U	3 U	3 U
Di-n-Octylphthalate	350	970	**0.65** J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**1.6** J	3 U	7.5 U	3 U	3 U
Fluoranthene	260	260	1.5 U	**13.7**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1.6**	**17.3**	**21.3**	**3.9**	**11.1**	1.5 U	**0.49** J
Fluorene	1,400	1,900	1.5 U	**144**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**10.2**	**6.8**	**86.9**	**27.4**	**70.2**	**0.86** J	**25.7**
Indeno(1,2,3-cd)pyrene	0.18	2.3	**0.61** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.72** J	1.5 U	3.8 U	1.5 U	1.5 U
m&p-Cresol [5]	170 [6]	490 [6]	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**9.2**	**30.1**	**92.2**	**2,060**	3 U	3 U
Naphthalene	100	100	1.5 U	**113**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1** J	1.5 U	**1** J	**264**	**3,620**	**1,040**	**3,490**	**11,900**	**106**	**2,910**
Nitrobenzene	1.2	6.3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**115**	7.5 U	3 U	3 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Sample ID			MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Date			12/11/2024	12/10/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/13/2024	12/13/2024	12/11/2024	12/12/2024	12/12/2024	12/13/2024	12/17/2024	12/18/2024	12/18/2024	12/12/2024	12/12/2024
Semi-Volatile Organic Compounds (µg/L) [4] (cont.)																			
o-Cresol	1,700	4,900	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**17.8**	**26.1**	**268**	**3,640**	3 U	3 U
Phenanthrene	1,100	1,100	1.5 U	**114**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**4.5**	**109**	**67.6**	**30**	**71.4**	**0.35** J	**10.2**
Phenol	2,000	2,000	8 U	**9.1**	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	**2.9** J	**7.7** J	**12.3**	**38.5**	**351**	**2.2** J	**2.1** J
Pyrene	130	130	**0.25** J	**9.4**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.71** J	**9.8**	**12.8**	**2.2**	**7**	1.5 U	1.5 U
Total Metals (mg/L) [7]																			
Aluminum, Total	0.2 [8]	0.2 [8]	**0.76**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.2 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Antimony, Total	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.0073** J	**0.0086** J
Arsenic, Total	0.01	0.01	**0.0063** J	0.009 U	**0.0064** J	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	**0.011**	0.016 U	**0.014**	0.009 U	0.009 U	**0.0082** J	**0.0043** J	0.009 U	0.009 U
Barium, Total	2	2	**0.05**	**0.12**	**0.1**	**0.62**	**0.039**	**0.049**	**0.01** J	**0.013**	**0.051**	**0.017** J	**0.051**	**0.023**	**0.025**	**0.022**	**0.025**	**0.079**	**0.049**
Beryllium, Total	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0079 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Cadmium, Total	0.005	0.005	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	**0.00078** J	0.0022 U	0.004 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Calcium, Total	NE	NE	**77.9**	**185**	**213**	**294**	**260**	**351**	**497**	**465**	**211**	**275**	**194**	**453**	**283**	**220**	**168**	**122**	**99.6**
Chromium, Total	0.1	0.1	0.0056 U	0.0056 U	**0.0053** J	**0.0027** J	0.0056 U	0.0056 U	**0.0039** J	**0.0063**	0.0056 U	0.01 U	0.0056 U	**0.0022** J	**0.0023** J	**0.0021** J	**0.0029** J	0.0056 U	**0.0021** J
Cobalt, Total	0.01	0.029	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	**0.0036** J	0.01 U	0.0056 U	0.0056 U	**0.0037** J	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Total	1	1	0.011 U	0.011 U	0.011 U	**0.0098** J	**0.004** J	**0.0053** J	**0.018**	**0.027**	0.011 U	0.02 U	0.011 U	**0.0082** J	**0.0081** J	**0.0053** J	0.011 U	**0.0037** J	**0.0052** J
Iron, Total	0.3 [8]	0.3 [8]	0.067 U	**0.84**	**9.9**	**24.9**	**4.7**	**13.4**	**0.19**	**0.099**	**3.2**	**10.2**	**1.4**	**0.78**	**0.72**	**0.34**	**0.47**	**0.26**	**0.35**
Lead, Total	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.012 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Total	NE	NE	0.11 U	**103**	**34.1**	**58.6**	**30.4**	**45.7**	**58.9**	**57.6**	**36.5**	**31**	**81.5**	**63.7**	**104**	**58.1**	**73.7**	**55**	**80.4**
Manganese, Total	0.3	0.3	0.0056 U	**1.6**	**0.29**	**1.8**	**0.77**	**0.83**	**0.13**	**0.053**	**0.34**	**0.021**	**0.26**	**0.99**	**0.15**	**0.17**	**0.069**	**0.11**	**0.077**
Nickel, Total	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Total	NE	NE	**4.8**	**20.1**	**14.4**	**15.8**	**33**	**16.4**	**1.8**	**3.2**	**8.7**	**6.6**	**5.6**	**2.5**	**6.8**	**2.3**	**3**	**9.2**	**10.5**
Selenium, Total	0.05	0.05	**0.0087** J	0.022 U	0.022 U	0.022 U	**0.013** J	**0.01** J	**0.28**	**0.27**	**0.0093** J	**0.14**	0.022 U	0.022 U	**223**	**0.02** J	0.022 U	0.022 U	**0.0097** J
Sodium, Total	NE	NE	**16.2**	**16.1**	**66**	**155**	**64.1**	**78.5**	**105**	**98.6**	**40.2**	**8**	**54.2**	**21.8**	**223**	**182**	**236**	**79.5**	**139**
Vanadium, Total	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.01 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Total	2	2	0.022 U	0.022 U	0.022 U	0.022 U	**0.07**	**0.13**	**0.053**	**0.13**	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Dissolved Metals (mg/L) [9]																			
Aluminum, Dissolved	0.2 [8]	0.2 [8]	**0.86**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.2 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Antimony, Dissolved	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Arsenic, Dissolved	0.01	0.01	**0.0038** J	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	**0.0066** J	0.016 U	**0.013**	0.009 U	0.009 U	**0.008** J	**0.01**	**0.0031** J	0.009 U
Barium, Dissolved	2	2	**0.054**	**0.11**	**0.1**	**0.45**	**0.037**	**0.048**	**0.011**	**0.013**	**0.05**	**0.018** J	**0.056**	**0.024**	**0.026**	**0.022**	**0.025**	**0.079**	**0.044**
Beryllium, Dissolved	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0079 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Calcium, Dissolved	NE	NE	**83.8**	**181**	**206**	**290**	**257**	**341**	**481**	**455**	**206**	**267**	**193**	**450**	**292**	**226**	**166**	**122**	**95.9**
Chromium, Dissolved	0.1	0.1	0.0056 U	0.0056 U	**0.0022** J	**0.0058**	0.0056 U	**0.0024** J	**0.0048** J	**0.0026** J	0.0056 U	**0.005** J	**0.0022** J	0.0056 U	**0.0021** J	0.0056 U	0.0056 U	**0.0023** J	**0.0026** J
Cobalt, Dissolved	0.01	0.029	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.01 U	0.0056 U	0.0056 U	**0.0027** J	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Dissolved	1	1	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.0039** J	**0.017**	**0.023**	0.011 U	0.02 U	0.011 U	**0.0046** J	**0.0048** J	0.011 U	0.011 U	0.011 U	0.011 U
Iron, Dissolved	0.3 [8]	0.3 [8]	0.067 U	**0.79**	**9.5**	**19.4**	**4.3**	**13.1**	**0.19**	**0.064** J	**2.8**	**9.5**	**0.62**	**0.66**	**0.59**	**0.3**	**0.29**	**0.24**	**0.35**
Lead, Dissolved	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.012 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Dissolved	NE	NE	0.11 U	**99.9**	**33.4**	**56.9**	**29.5**	**45.7**	**57.9**	**54.9**	**36.2**	**30.7**	**82**	**61.9**	**106**	**59.1**	**73.5**	**54.8**	**88.6**
Manganese, Dissolved	0.3	0.3	0.0056 U	**1.5**	**0.29**	**1.7**	**0.79**	**0.81**	**0.12**	**0.044**	**0.34**	**0.015**	**0.26**	**1**	**0.16**	**0.17**	**0.068**	**0.11**	**0.074**
Nickel, Dissolved	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Dissolved	NE	NE	**4.9**	**19.7**	**14.2**	**15.6**	**29.6**	**16.1**	**1.7**	**3.2**	**8.7**	**6.5**	**6**	**2.6**	**6.3**	**2.3**	**3.2**	**9.4**	**10.6**
Selenium, Dissolved	0.05	0.05	0.022 U	0.022 U	0.022 U	**0.0091** J	**0.0079** J	0.022 U	**0.32**	**0.27**	**0.021** J	**0.16**	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.01** J
Sodium, Dissolved	NE	NE	**15.9**	**15.9**	**64.6**	**154**	**61.9**	**78.1**	**105**	**99**	**39.9**	**8.2**	**70**	**21.8**	**221**	**183**	**239**	**80.6**	**154**
Thallium, Dissolved	0.002	0.002	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Vanadium, Dissolved	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.01 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Dissolved	2	2	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.05**	**0.12**	0.022 U	0.04 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Sample ID			MW-1	MW-2	MW-3	MW-4	MW-5S	MW-5D	MW-6S	MW-6D	MW-7	MW-8S	MW-8D	MW-9S	MW-9D	MW-10S	MW-10D	MW-11S	MW-11D
Date			12/11/2024	12/10/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/13/2024	12/13/2024	12/11/2024	12/12/2024	12/12/2024	12/13/2024	12/17/2024	12/18/2024	12/18/2024	12/12/2024	12/12/2024
General Chemistry (mg/L)																			
Acidity, Total	NE	NE	5 U	63	14	81	10	20	35	49	22	29	24	47	45	22	11	5 U	5 U
Alkalinity, Total	NE	NE	132	872	268	721	206	185	298	312	321	326	489	528	409	468	403	106	127
Chloride	250 [8]	250 [8]	22.9	11	89.6	336	60.9	125	53.3	52.2	72.1	3.1 J	96.2	7.5	400	96.5	180	151	313
Nitrate-N	10	10	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	28.4	28.8	2.5 U	18.5	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U	0.98 J	2.5 U
pH (SU)	6.5 - 8.5	NE	9.97	8.26	8.35	8.27	8.32	8.27	8.32	8.36	8.32	8.3	8.35	8.17	8.18	8.37	8.37	8.18	8.13
Specific Conductance (µmhos/cm)	NE	NE	751	1,490	1,400	204	1,590	2,040	2,800	2,170	1,280	1,300	1,950	2,150	3,490	2,530	2,650	1,550	2,270
Sulfate	250 [8]	250 [8]	59.3	17	418	151	640	882	1,160	1,050	317	316	527	894	971	746	836	476	789
Total Dissolved Solids	NE	NE	334	836	1,020	1,440	1,210	1,640	2,210	2,050	928	992	1,180	1,810	2,070	1,240	1,530	950	1,290
Turbidity (NTU)	NE	NE	1	11	100	160	55	130	1.4	1.6	35	2	40	9.5	28	290	380	1.5	3.3

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Sample ID			MW-11D DUP	MW-12	MW-13	MW-14	MW-15	MW-15 DUP	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Date			12/12/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/11/2024	12/12/2024	12/12/2024	12/11/2024	12/11/2024	12/9/2024	12/9/2024	12/11/2024
Volatile Organic Compounds (µg/L) [1]																		
1,2,4-Trimethylbenzene	130	530	**74.7**	1,000 U	200 U	1 U	**61.3**	**59.3**	**43.4** J	1 U	1 U	1 U	**0.6** J	1 U	5 U	**7** J	1 U	5 U
1,3,5-Trimethylbenzene	130	530	**15.1** J	1,000 U	**80.3** J	1 U	**47** J	**47.6** J	**26.8** J	1 U	1 U	1 U	1 U	1 U	5 U	**2.9** J	1 U	5 U
Acetone	31,000	88,000	500 U	10,000 U	2,000 U	10 U	500 U	500 U	500 U	10 U	10 U	10 U	10 U	10 U	50 U	100 U	10 U	50 U
Benzene	5	5	**2,090**	**4,890**	**629,000**	1 U	**23,200**	**23,100**	**13,100**	**0.73** J	1 U	**0.42** J	**113**	1 U	**13.7**	**885**	**0.38** J	**21.6**
Bromomethane	10	10	50 U	1,000 U	200 U	1 U	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	1 U	5 U
Carbon Disulfide	1,500	6,200	50 U	1,000 U	**400**	1 U	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	5 U	**2.8** J	1 U	5 U
Chloroform	80	80	50 U	1,000 U	200 U	1 U	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	1 U	5 U
Chloromethane	30	30	50 U	1,000 U	200 U	1 U	50 U	50 U	50 U	1 U	1 U	1 U	1 U	1 U	5 U	10 U	1 U	5 U
Ethylbenzene	700	700	**25.7** J	1,000 U	200 U	1 U	**37.8** J	**33.9** J	**34.5** J	1 U	1 U	1 U	**2.9**	1 U	5 U	**10.2**	1 U	5 U
Isopropylbenzene	840	3,500	50 U	1,000 U	200 U	1 U	50 U	50 U	50 U	1 U	1 U	1 U	**0.62** J	1 U	5 U	10 U	1 U	5 U
m&p-Xylene [2]	10,000 [3]	10,000 [3]	**45.6** J	2,000 U	**2,790**	2 U	**568**	**530**	**344**	2 U	2 U	2 U	**0.83** J	2 U	10 U	**12.4** J	2 U	10 U
o-Xylene	10,000 [3]	10,000 [3]	**59.4**	1,000 U	**679**	1 U	**221**	**212**	**141**	1 U	1 U	1 U	**0.61** J	1 U	5 U	**19.4**	1 U	5 U
Styrene	100	100	50 U	1,000 U	200 U	1 U	**55.4**	**53.4**	50 U	1 U	1 U	1 U	1 U	1 U	5 U	**5.8** J	1 U	5 U
Toluene	1,000	1,000	**12.7** J	1,000 U	**72,900**	1 U	**2,480**	**2,300**	**217**	1 U	1 U	1 U	1 U	1 U	**1.4** J	**5.8** J	1 U	5 U
Total Xylenes	10,000	10,000	**105** J	3,000 U	**3,470**	3 U	**789**	**743**	**485**	3 U	3 U	3 U	**1.4** J	3 U	15 U	**31.8**	3 U	15 U
Semi-Volatile Organic Compounds (µg/L) [4]																		
2,4-Dimethylphenol	690	1,900	**99.4**	**19.4**	**60.3**	3 U	**708**	**772**	**118**	3 U	3 U	3 U	3 U	3 U	**1.9** J	**33**	3 U	3 U
2-Methylnaphthalene	6.3	26	**63.6**	**6.7**	**2.1**	1.5 U	**178**	**185**	**90.8**	**0.51** J	1.5 U	1.5 U	**1.2** J	1.5 U	**2.1**	**1.5**	1.5 U	1.5 U
4-Nitroaniline	33	140	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol	60	60	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Acenaphthene	2,100	3,800	**7.2**	**3.5**	1.5 U	1.5 U	**16.3**	**16.4**	**200**	**0.42** J	1.5 U	1.5 U	**4.2**	1.5 U	**0.51** J	**1** J	1.5 U	1.5 U
Acenaphthylene	2,100	5,800	**31.1**	**8.5**	1.5 U	1.5 U	**274**	**249**	**7.4**	**0.83** J	1.5 U	1.5 U	**2.5**	1.5 U	**0.75** J	**1.9**	1.5 U	1.5 U
Acetophenone	3,500	9,700	3 U	**3.4**	**5,990**	**1.7** J	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Anthracene	66	66	**1** J	**0.28** J	1.5 U	1.5 U	**15.8**	**13.8**	**8.3**	1.5 U	1.5 U	1.5 U	**0.75** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(a)anthracene	0.3	3.9	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**0.74** J	**0.75** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(a)pyrene	0.2	0.2	1.5 U	1.5 U	1.5 U	1.5 U	**0.32** J	1.5 U	**0.27** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(b)fluoranthene	0.18	1.2	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(g,h,i)perylene	0.26	0.26	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(k)fluoranthene	0.18	0.55	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Biphenyl	0.84	3.5	**11.1**	**1.7** J	3 U	3 U	**30.6**	**30.1**	**23.2**	3 U	3 U	3 U	**1.5** J	3 U	**0.45** J	**0.9** J	3 U	3 U
bis(2-Chloroethoxy)methane	100	290	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
bis(2-Ethylhexyl)phthalate	6	6	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzylphthalate	340	1,400	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Caprolactam	NE	NE	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	33	140	**105**	**3.4**	**0.62** J	3 U	**213**	**218**	**136**	**0.82** J	3 U	3 U	**13.1**	3 U	**2.6** J	**10.2**	3 U	3 U
Chrysene	1.8	1.9	1.5 U	1.5 U	1.5 U	1.5 U	**0.51** J	**0.48** J	**0.35** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dibenzo(a,h)anthracene	0.052	0.6	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dibenzofuran	35	97	**21.8**	**4.6**	3 U	3 U	**74.6**	**69.6**	**84.1**	3 U	3 U	3 U	**4.8**	3 U	**0.39** J	**1.4** J	3 U	3 U
Diethylphthalate	28,000	78,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Di-n-Butylphthalate	3,500	9,700	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	**0.92** J	3 U
Di-n-Octylphthalate	350	970	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Fluoranthene	260	260	**0.4** J	**1.8**	1.5 U	1.5 U	**12.6**	**10.7**	**9.1**	**0.38** J	1.5 U	1.5 U	**0.57** J	1.5 U	1.5 U	1.5 U	**0.41** J	1.5 U
Fluorene	1,400	1,900	**21.4**	**2.9**	**0.67** J	1.5 U	**89.7**	**77.8**	**92.2**	**0.86** J	1.5 U	1.5 U	**6**	1.5 U	**0.37** J	**0.87** J	1.5 U	1.5 U
Indeno(1,2,3-cd)pyrene	0.18	2.3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
m&p-Cresol [5]	170 [6]	490 [6]	3 U	**14.3**	**440**	3 U	**2,040**	**2,070**	**120**	3 U	3 U	3 U	3 U	3 U	**11.3**	3 U	3 U	3 U
Naphthalene	100	100	**2,250**	**439**	**57.1**	**2.2**	**4,430**	**5,080**	**3,620** E	**5.8**	1.5 U	1.5 U	**62.3**	1.5 U	**46.2**	**411**	**2.2**	1.5 U
Nitrobenzene	1.2	6.3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Sample ID			MW-11D DUP	MW-12	MW-13	MW-14	MW-15	MW-15 DUP	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Date			12/12/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/11/2024	12/12/2024	12/12/2024	12/11/2024	12/11/2024	12/9/2024	12/9/2024	12/11/2024
Semi-Volatile Organic Compounds (µg/L) [4] (cont.)																		
o-Cresol	1,700	4,900	3 U	**23**	**77.4**	3 U	**1,140**	**1,240**	**146**	3 U	3 U	3 U	3 U	3 U	**6.6**	**11.5**	3 U	3 U
Phenanthrene	1,100	1,100	**8.6**	**3.5**	**0.59** J	**0.29** J	**83.2**	**79.6**	**65.6**	**0.51** J	1.5 U	1.5 U	**5.5**	1.5 U	1.5 U	**0.67** J	**0.54** J	1.5 U
Phenol	2,000	2,000	**1.3** J	**26.7**	**589** J	8 U	**1,760**	**1,720**	**201**	8 U	8 U	8 U	8 U	8 U	**16.9**	**8**	8 U	8 U
Pyrene	130	130	1.5 U	**0.98** J	1.5 U	1.5 U	**9**	**7.6**	**5.8**	**0.25** J	1.5 U	1.5 U	**0.28** J	1.5 U	1.5 U	1.5 U	**0.28** J	1.5 U
Total Metals (mg/L) [7]																		
Aluminum, Total	0.2 [8]	0.2 [8]	0.11 U	0.11 U	**77.6**	**0.053** J	0.11 U	0.11 U	0.11 U	0.11 U	**0.078** J	0.11 U	0.11 U	0.11 U	0.11 U	**0.038** J	**0.31**	0.11 U
Antimony, Total	0.006	0.006	0.022 U	0.022 U	0.079 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.0098** J	0.022 U	0.022 U	0.022 U	**0.0076** J	**0.0079** J	0.022 U
Arsenic, Total	0.01	0.01	0.009 U	**0.037**	**0.019** J	**0.018**	0.009 U	0.009 U	0.009 U	**0.1**	**0.029**	0.009 U	0.009 U	0.009 U	0.009 U	**0.01**	0.009 U	0.009 U
Barium, Total	2	2	**0.044**	**0.065**	**0.066**	**0.14**	**0.087**	**0.086**	**0.093**	**0.12**	**0.27**	**0.065**	**0.07**	**0.038**	**0.041**	**0.025**	**0.023**	**0.064**
Beryllium, Total	0.004	0.004	0.0044 U	0.0044 U	**0.0064** J	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Cadmium, Total	0.005	0.005	0.0022 U	0.0022 U	**0.006** J	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Calcium, Total	NE	NE	**95.8**	**297**	**524**	**235**	**79.9**	**79.3**	**283**	**358**	**226**	**136**	**174**	**121**	**229**	**106**	**40.3**	**197**
Chromium, Total	0.1	0.1	**0.0021** J	**0.003** J	**0.16**	**0.0026** J	0.0056 U	0.0056 U	**0.0022** J	**0.0032** J	**0.0028** J	**0.0037** J	**0.0023** J	**0.0021** J	0.0056 U	**0.0021** J	**0.0032** J	**0.0024** J
Cobalt, Total	0.01	0.029	0.0056 U	0.0056 U	**0.059**	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Total	1	1	**0.0053** J	**0.0063** J	**0.016** J	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.0061** J	0.011 U	**0.004** J	0.011 U	0.011 U	**0.006** J
Iron, Total	0.3 [8]	0.3 [8]	**0.36**	**2.4**	**229**	**10.6**	**6.8**	**6.8**	**17.1**	**21.3**	**17.2**	**0.26**	**0.31**	**0.8**	**0.13**	**0.24**	**0.49**	**0.22**
Lead, Total	0.005	0.005	0.0067 U	0.0067 U	**0.87**	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	**0.0057** J	0.0067 U
Magnesium, Total	NE	NE	**86.7**	**128**	**47.3**	**46.5**	**67.8**	**67.4**	**52.9**	**53.7**	**36.6**	**35.4**	**83.1**	**40.3**	**7.7**	**32.3**	**4.5**	**52.2**
Manganese, Total	0.3	0.3	**0.075**	**1.3**	**10.3**	**0.94**	**0.91**	**0.9**	**1.7**	**1**	**1.4**	**0.022**	**0.1**	**0.082**	0.0056 U	**0.043**	**0.03**	**0.036**
Nickel, Total	0.1	0.1	0.022 U	0.022 U	**0.083**	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Total	NE	NE	**10.6**	**17.1**	**3.8**	**8.2**	**39.4**	**39.4**	**14.1**	**14.6**	**10**	**5.5**	**12**	**2.1**	**8.9**	**9.7**	**6**	**7**
Selenium, Total	0.05	0.05	0.022 U	0.022 U	0.079 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.032**	**0.0086** J	0.022 U	**0.018** J	**0.011** J	**0.0077** J	**0.13**
Sodium, Total	NE	NE	**151**	**135**	**106**	**71.1**	**30**	**29.9**	**13.1**	**28.1**	**58.7**	**43.6**	**123**	**43.9**	**138**	**182**	**75.4**	**82.2**
Vanadium, Total	0.17	0.49	0.0056 U	0.0056 U	**0.057**	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Total	2	2	0.022 U	0.022 U	**0.77**	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Dissolved Metals (mg/L) [9]																		
Aluminum, Dissolved	0.2 [8]	0.2 [8]	0.11 U	0.11 U	**75.5**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Antimony, Dissolved	0.006	0.006	0.022 U	0.022 U	0.11 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.014** J	
Arsenic, Dissolved	0.01	0.01	0.009 U	**0.041**	0.045 U	**0.019**	0.009 U	0.009 U	0.009 U	**0.09**	**0.025**	0.009 U	0.009 U	0.009 U	0.009 U	**0.0072** J	**0.0034** J	0.009 U
Barium, Dissolved	2	2	**0.044**	**0.064**	0.056 U	**0.14**	**0.083**	**0.083**	**0.09**	**0.12**	**0.26**	**0.067**	**0.07**	**0.037**	**0.041**	**0.025**	**0.016**	**0.063**
Beryllium, Dissolved	0.004	0.004	0.0044 U	0.0044 U	**0.01** J	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Calcium, Dissolved	NE	NE	**95.9**	**293**	**544**	**233**	**78.1**	**78.1**	**280**	**357**	**225**	**137**	**174**	**122**	**222**	**110**	**41.2**	**186**
Chromium, Dissolved	0.1	0.1	**0.0031** J	**0.0027** J	**0.16**	0.0056 U	0.0056 U	0.0056 U	0.0056 U	**0.0028** J	0.0056 U	**0.0044** J	**0.0026** J	0.0056 U	**0.0024** J	0.0056 U	0.0056 U	**0.0022** J
Cobalt, Dissolved	0.01	0.029	0.0056 U	0.0056 U	**0.077**	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Dissolved	1	1	0.011 U	0.011 U	0.056 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.0038** J
Iron, Dissolved	0.3 [8]	0.3 [8]	**0.35**	**2**	**231**	**10.2**	**6.3**	**6.4**	**16.7**	**21.1**	**16.2**	**0.26**	**0.29**	**0.8**	**0.11**	**0.17**	**0.041** J	**0.22**
Lead, Dissolved	0.005	0.005	0.0067 U	0.0067 U	**0.85**	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Dissolved	NE	NE	**88.9**	**124**	**46.9**	**45**	**65.5**	**65.8**	**51.4**	**52.8**	**35.8**	**35.7**	**83.9**	**40.9**	**7.4**	**33.4**	**4.4**	**51**
Manganese, Dissolved	0.3	0.3	**0.075**	**1.2**	**10.1**	**0.91**	**0.87**	**0.87**	**1.7**	**0.98**	**1.4**	**0.025**	**0.097**	**0.085**	0.0056 U	**0.043**	**0.012**	**0.035**
Nickel, Dissolved	0.1	0.1	0.022 U	0.022 U	**0.063** J	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Dissolved	NE	NE	**10.6**	**16.7**	**3.5**	**8**	**38.1**	**38**	**13.8**	**14.5**	**9.7**	**5.5**	**11.8**	**1.9**	**8.8**	**9.7**	**5.8**	**6.8**
Selenium, Dissolved	0.05	0.05	0.022 U	**0.0077** J	0.11 U	**0.012** J	**0.0077** J	0.022 U	**0.011** J	0.022 U	0.022 U	**0.029**	0.022 U	**0.021** J	**0.0097** J	**0.0081** J	0.022 U	**0.12**
Sodium, Dissolved	NE	NE	**155**	**134**	**104**	**70.5**	**29.1**	**28.9**	**13**	**27.8**	**57.7**	**44.7**	**125**	**44**	**135**	**181**	**75.6**	**81.2**
Thallium, Dissolved	0.002	0.002	0.022 U	0.022 U	0.11 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Vanadium, Dissolved	0.17	0.49	0.0056 U	0.0056 U	**0.062**	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Dissolved	2	2	0.022 U	0.022 U	**0.79**	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-11D	MW-12	MW-13	MW-14	MW-15	MW-15	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Sample ID			MW-11D DUP	MW-12	MW-13	MW-14	MW-15	MW-15 DUP	MW-16	MW-17	MW-18	MW-19S	MW-19D	MW-20	MW-21	MW-22S	MW-22D	MW-23
Date			12/12/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/11/2024	12/12/2024	12/12/2024	12/11/2024	12/11/2024	12/9/2024	12/9/2024	12/11/2024
General Chemistry (mg/L)																		
Acidity, Total	NE	NE	5 U	**64**	**832**	**33**	**26**	**18**	**41**	**105**	**36**	**16**	5 U	**22**	5 U	5 U	5 U	**19**
Alkalinity, Total	NE	NE	**131**	**1,050**	50 U	**813**	**238**	**242**	**688**	**1,050**	**402**	**246**	**74**	**397**	**67**	**106**	**80**	**325**
Chloride	250 (8)	250 (8)	**325**	**148**	**24.1**	**108**	**22.3**	**22.3**	**7.1**	**23.5**	**102**	**62.6**	**235**	**3.4**	**194**	**92.2**	**16.1**	**63.2**
Nitrate-N	10	10	2.5 U	2.5 U	**0.9** J	2.5 U	2.5 U	2.5 U	**0.97** J	2.5 U	2.5 U	**4.7**	2.5 U	**4.5**	2.5 U	**0.39** J	**1.4**	**37.9**
pH (SU)	6.5 - 8.5	NE	**8.16**	**8.07**	**2.44**	**8.13**	**8.09**	**8.14**	**8.06**	**8.11**	**8.35**	**8.45**	**8.04**	**8.44**	**9.29**	**8.46**	**8.2**	**8.42**
Specific Conductance (µmhos/cm)	NE	NE	**2,490**	**3,090**	**7,190**	**1,640**	**1,140**	**1,140**	**1,540**	**2,070**	**1,420**	**1,030**	**2,410**	**929**	**1,640**	**2,090**	**592**	**1,530**
Sulfate	250 (8)	250 (8)	**814**	**328**	**2,310**	5 U	**322**	**318**	**295**	**206**	**282**	**284**	**824**	**112**	**570**	**611**	**173**	**299**
Total Dissolved Solids	NE	NE	**1,330**	**1,730**	**4,240**	**2,290**	**778**	**760**	**1,060**	**1,260**	**992**	**744**	**1,460**	**638**	**1,180**	**1,060**	**326**	**1,070**
Turbidity (NTU)	NE	NE	**3.5**	**35**	**36**	**110**	**31**	**31**	**180**	**220**	**180**	**1.1**	**5**	**1.5**	**3.1**	**12**	**50**	**1.5**

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-24	MW-24	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S	MW-34D
Sample ID			MW-24	MW-24-DUP	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S DUP	MW-34D
Date			12/11/2024	12/11/2024	12/11/2024	12/18/2024	12/18/2024	12/17/2024	12/17/2024	12/10/2024	12/12/2024	12/13/2024	12/12/2024	12/12/2024	12/12/2024	12/18/2024	12/18/2024	12/18/2024
Volatile Organic Compounds (µg/L) [1]																		
1,2,4-Trimethylbenzene	130	530	1 U	1 U	1 U	**534**	**679**	**41.1** J	**227**	1 U	**969**	1 U	**242** J	1 U	1 U	**312**	**146**	**151**
1,3,5-Trimethylbenzene	130	530	1 U	1 U	1 U	**201**	**172**	**21.2** J	**112**	1 U	**870**	1 U	**129** J	1 U	1 U	**77.3**	**42.7** J	**59.7**
Acetone	31,000	88,000	10 U	10 U	10 U	500 U	500 U	500 U	1,000 U	10 U	5,000 U	10 U	5,000 U	10 U	10 U	500 U	500 U	500 U
Benzene	5	5	**43.4**	**37.7**	1 U	**14,400**	**4,060**	**1,640**	**5,090**	**2.8**	**13,400**	1 U	**19,100**	1 U	1 U	**3,370**	**3,550**	**3,810**
Bromomethane	10	10	1 U	1 U	1 U	50 U	50 U	**19.8** J	100 U	1 U	500 U	1 U	500 U	1 U	1 U	50 U	50 U	50 U
Carbon Disulfide	1,500	6,200	1 U	**0.29** J	1 U	50 U	50 U	50 U	100 U	1 U	500 U	1 U	500 U	1 U	1 U	50 U	50 U	50 U
Chloroform	80	80	1 U	1 U	1 U	50 U	50 U	50 U	100 U	1 U	500 U	1 U	500 U	1 U	1 U	50 U	50 U	50 U
Chloromethane	30	30	1 U	1 U	1 U	50 U	50 U	50 U	100 U	1 U	500 U	1 U	500 U	1 U	1 U	50 U	50 U	50 U
Ethylbenzene	700	700	**0.57** J	**0.52** J	1 U	**1,040**	**587**	**17.3** J	**53.5** J	1 U	500 U	1 U	500 U	1 U	1 U	**165**	**100**	**104**
Isopropylbenzene	840	3,500	1 U	1 U	1 U	50 U	50 U	50 U	100 U	1 U	500 U	1 U	500 U	1 U	1 U	**16** J	50 U	50 U
m&p-Xylene [2]	10,000 [3]	10,000 [3]	2 U	2 U	2 U	**894**	**483**	**162**	**358**	2 U	**32,900**	2 U	**996** J	2 U	2 U	**563**	**381**	**405**
o-Xylene	10,000 [3]	10,000 [3]	1 U	1 U	1 U	**452**	**267**	**74.6**	**245**	1 U	**9,600**	1 U	**547**	1 U	1 U	**328**	**239**	**239**
Styrene	100	100	1 U	1 U	1 U	**19.7** J	**16.6** J	**23.8** J	**56.5** J	1 U	**369** J	1 U	500 U	1 U	1 U	**31.5** J	**31.9** J	**63.4**
Toluene	1,000	1,000	1 U	1 U	1 U	**1,190**	**340**	**221**	**496**	1 U	**25,300**	1 U	**2,740**	1 U	1 U	**431**	**442**	**648**
Total Xylenes	10,000	10,000	3 U	3 U	3 U	**1,350**	**750**	**236**	**603**	3 U	**42,500**	3 U	**1,540**	3 U	3 U	**891**	**619**	**643**
Semi-Volatile Organic Compounds (µg/L) [4]																		
2,4-Dimethylphenol	690	1,900	3 U	3 U	3 U	**3,810**	**563**	**475**	**543**	3 U	3 U	3 U	3 U	3 U	3 U	**64**	**55.4**	**97.4**
2-Methylnaphthalene	6.3	26	1.5 U	1.5 U	1.5 U	**470**	**312**	**69.4**	**482**	1.5 U	**8.3**	1.5 U	**199**	1.5 U	1.5 U	**52.2**	**47**	**429**
4-Nitroaniline	33	140	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
4-Nitrophenol	60	60	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	**4.9** J
Acenaphthene	2,100	3,800	1.5 U	1.5 U	1.5 U	**12.4**	**8.5**	**4.3**	**14.8**	**2.1**	1.5 U	1.5 U	**1.5** J	1.5 U	1.5 U	**7**	**5.9**	**11.3**
Acenaphthylene	2,100	5,800	1.5 U	1.5 U	1.5 U	**14**	**2.2** J	**50.1**	**200**	1.5 U	**1.1** J	1.5 U	**3**	1.5 U	1.5 U	**14.3**	**10.6**	**85.6**
Acetophenone	3,500	9,700	3 U	3 U	3 U	7.5 U	7.5 U	**11.2**	3 U	3 U	**81.6**	3 U	**193**	3 U	3 U	**5.8** J	**4.4** J	**7.3** J
Anthracene	66	66	1.5 U	1.5 U	1.5 U	**19.4**	**16.6**	**12.1**	**23.6**	1.5 U	1.5 U	1.5 U	**0.32** J	1.5 U	1.5 U	**3.8**	**3.1** J	**22.6**
Benzo(a)anthracene	0.3	3.9	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**1.5** J	**0.83** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Benzo(a)pyrene	0.2	0.2	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**0.87** J	**0.26** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Benzo(b)fluoranthene	0.18	1.2	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**0.9** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Benzo(g,h,i)perylene	0.26	0.26	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Benzo(k)fluoranthene	0.18	0.55	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**0.78** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Biphenyl	0.84	3.5	3 U	3 U	3 U	**42.9**	**29.9**	**6.1**	**40.1**	3 U	**0.46** J	3 U	**8.2**	3 U	3 U	**17.4**	**15**	**53.1**
bis(2-Chloroethoxy)methane	100	290	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
bis(2-Ethylhexyl)phthalate	6	6	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Butylbenzylphthalate	340	1,400	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Caprolactam	NE	NE	3 U	3 U	3 U	**2.2** J	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Carbazole	33	140	3 U	3 U	3 U	**401**	**345**	**120**	**456**	3 U	**6**	3 U	**7.5**	3 U	3 U	**113**	**101**	**311** J
Chrysene	1.8	1.9	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**1.4** J	**0.71** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Dibenzo(a,h)anthracene	0.052	0.6	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
Dibenzofuran	35	97	3 U	3 U	3 U	**101**	**72.4**	**25.6**	**97.4**	3 U	**0.47** J	3 U	**8.9**	3 U	3 U	**38.4**	**33.8**	**125**
Diethylphthalate	28,000	78,000	3 U	3 U	3 U	7.5 U	**0.71** J	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Di-n-Butylphthalate	3,500	9,700	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Di-n-Octylphthalate	350	970	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	7.5 U
Fluoranthene	260	260	1.5 U	1.5 U	1.5 U	**11.8**	**8.4**	**12.1**	**10.8**	1.5 U	1.5 U	1.5 U	**0.45** J	1.5 U	1.5 U	**2.7** J	**2.3** J	**13.5**
Fluorene	1,400	1,900	1.5 U	1.5 U	1.5 U	**97.9**	**79.4**	**35.8**	**103**	1.5 U	1.5 U	1.5 U	**6.6**	1.5 U	1.5 U	**30.8**	**27**	**123**
Indeno(1,2,3-cd)pyrene	0.18	2.3	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	**0.48** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.8 U	3.8 U	3.8 U
m&p-Cresol [5]	170 [6]	490 [6]	3 U	3 U	3 U	**639**	**92.8**	**193**	**364**	3 U	3 U	3 U	3 U	3 U	3 U	**16.8**	**13.1**	**27.6**
Naphthalene	100	100	1.5 U	1.5 U	1.5 U	**12,900**	**7,310**	**1,600**	**12,500**	**1.5**	**742**	1.5 U	**3,800**	**0.7** J	1.5 U	**3,550**	**3,120**	**9,800**
Nitrobenzene	1.2	6.3	3 U	3 U	3 U	7.5 U	7.5 U	3.4 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	7.5 U	7.5 U	**10.4**

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-24	MW-24	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S	MW-34D
Sample ID			MW-24	MW-24-DUP	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S DUP	MW-34D
Date			12/11/2024	12/11/2024	12/11/2024	12/18/2024	12/18/2024	12/17/2024	12/17/2024	12/10/2024	12/12/2024	12/13/2024	12/12/2024	12/12/2024	12/12/2024	12/18/2024	12/18/2024	12/18/2024
Semi-Volatile Organic Compounds (µg/L) [4] (cont.)																		
o-Cresol	1,700	4,900	3 U	3 U	3 U	**5,570**	**909**	**325**	**682**	3 U	3 U	3 U	3 U	3 U	3 U	**7** J	**6.4** J	**28.3**
Phenanthrene	1,100	1,100	1.5 U	1.5 U	1.5 U	**97.2**	**70.5**	**31.2**	**87.3**	1.5 U	1.5 U	1.5 U	**3.9**	1.5 U	1.5 U	**29.6**	**27.8**	**114**
Phenol	2,000	2,000	8 U	8 U	8 U	**329**	**42.4**	**186**	**196**	8 U	**11.8**	8 U	**279** J	8 U	8 U	**24.3**	**21.7**	**29.5**
Pyrene	130	130	1.5 U	1.5 U	1.5 U	**6.5**	**4.7**	**7.8**	**6.7**	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**1.5** J	**1.2** J	**7.9**
Total Metals (mg/L) [7]																		
Aluminum, Total	0.2 [8]	0.2 [8]	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.11 U	0.11 U	**0.84**	0.11 U	0.11 U	0.11 U	0.11 U	**0.17**	**0.17**	0.11 U
Antimony, Total	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	**0.0083** J	**0.015** J	0.022 U	0.022 U	0.022 U	**0.0077** J	0.022 U	0.022 U	0.022 U	0.022 U
Arsenic, Total	0.01	0.01	**0.013**	**0.01**	0.009 U	**0.0073** J	0.009 U	0.018 U	**0.0097**	**0.061**	0.009 U	**0.0041** J	**0.0099**	**0.0058** J	0.009 U	**0.0071** J	0.009 U	**0.0052** J
Barium, Total	2	2	**0.12**	**0.12**	**0.085**	**0.027**	**0.024**	**0.022**	**0.047**	**0.09**	**0.041**	**0.031**	**0.046**	**0.075**	**0.041**	**0.033**	**0.033**	**0.035**
Beryllium, Total	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0088 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Cadmium, Total	0.005	0.005	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0044 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Calcium, Total	NE	NE	**286**	**283**	**247**	**163**	**247**	**606**	**282**	**165**	**113**	**201**	**296**	**199**	**145**	**158**	**157**	**152**
Chromium, Total	0.1	0.1	**0.0026** J	0.0056 U	**0.0047** J	0.0056 U	0.0056 U	**0.0051** J	0.0056 U	0.0056 U	0.0056 U	**0.0034** J	**0.0029** J	0.0056 U	**0.0043** J	**0.0021** J	0.0056 U	**0.0027** J
Cobalt, Total	0.01	0.029	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.011 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Total	1	1	**0.0049** J	**0.005** J	**0.004** J	**0.0039** J	**0.0043** J	**0.0096** J	**0.0038** J	0.011 U	0.011 U	**0.005** J	**0.0097** J	0.011 U	**0.0063** J	**0.0041** J	**0.0044** J	**0.0037** J
Iron, Total	0.3 [8]	0.3 [8]	**14.1**	**14.7**	**16.8**	**0.14**	**0.31**	**0.86**	**1.5**	**9.7**	**0.65**	**0.5**	**0.29**	**1.2**	**0.19**	**1**	**1**	**0.3**
Lead, Total	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.013 U	0.0067 U	0.0067 U	**0.04**	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Total	NE	NE	**47.2**	**46.3**	**39.7**	**58.5**	**57.4**	**67.2**	**39.7**	**72.8**	**1.5**	**39.3**	**27.8**	**39.4**	**39**	**43.1**	**42.9**	**44.2**
Manganese, Total	0.3	0.3	**1.1**	**1.1**	**1.5**	**0.22**	**0.49**	**0.82**	**0.55**	**0.95**	**0.0036** J	**0.035**	**0.12**	**0.7**	**0.025**	**0.39**	**0.39**	**0.21**
Nickel, Total	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Total	NE	NE	**27.3**	**26.8**	**11.6**	**3.5**	**3.8**	**3.8**	**2.5**	**15.2**	**24.4**	**6.2**	**21.2**	**15**	**4.6**	**5.4**	**5.4**	**8**
Selenium, Total	0.05	0.05	0.022 U	**0.011** J	**0.009** J	**0.022** J	**0.21** J	**0.034** J	**0.021** J	0.022 U	0.022 U	**0.04**	**0.024**	0.022 U	**0.061**	**0.044**	**0.042**	**0.042**
Sodium, Total	NE	NE	**76.9**	**76.3**	**65.5**	**151**	**88.6**	**133**	**68.6**	**67.7**	**298**	**94**	**335**	**116**	**167**	**189**	**188**	**196**
Vanadium, Total	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.011 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Total	2	2	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Dissolved Metals (mg/L) [9]																		
Aluminum, Dissolved	0.2 [8]	0.2 [8]	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.22 U	0.11 U	0.11 U	**0.82**	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Antimony, Dissolved	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	**0.012** J	0.022 U	**0.014** J	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Arsenic, Dissolved	0.01	0.01	**0.0097**	**0.0073** J	0.009 U	**0.005** J	**0.0072** J	**0.0064** J	**0.028**	**0.054**	0.009 U	0.009 U	**0.0077** J	**0.007** J	0.009 U	**0.0061** J	**0.0059** J	**0.0094**
Barium, Dissolved	2	2	**0.12**	**0.12**	**0.081**	**0.027**	**0.024**	**0.021** J	**0.062**	**0.087**	**0.039**	**0.031**	**0.047**	**0.076**	**0.042**	**0.032**	**0.033**	**0.034**
Beryllium, Dissolved	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0088 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Calcium, Dissolved	NE	NE	**281**	**280**	**247**	**165**	**252**	**612**	**299**	**163**	**104**	**200**	**283**	**201**	**146**	**171**	**172**	**156**
Chromium, Dissolved	0.1	0.1	**0.0058**	0.0056 U	0.0056 U	**0.016**	0.0056 U	0.011 U	0.0056 U	0.0056 U	**0.0023** J	**0.0031** J	**0.003** J	0.0056 U	**0.005** J	0.0056 U	0.0056 U	0.0056 U
Cobalt, Dissolved	0.01	0.029	0.0056 U	0.0056 U	**0.0033** J	0.0056 U	0.0056 U	0.011 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Dissolved	1	1	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.022 U	0.011 U	0.011 U	0.011 U	**0.0061** J	**0.0054** J	0.011 U	**0.087**	0.011 U	0.011 U	0.011 U
Iron, Dissolved	0.3 [8]	0.3 [8]	**14.4**	**14.6**	**15.7**	**0.17**	**0.29**	**0.71**	**1.6**	**9.5**	**0.55**	**0.39**	**0.17**	**1.1**	**0.19**	**0.18**	**0.19**	**0.24**
Lead, Dissolved	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.013 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Dissolved	NE	NE	**45.6**	**45.7**	**39.2**	**59**	**58.6**	**63.2**	**46.5**	**70.8**	**1.9**	**37.9**	**27.2**	**39.5**	**39.1**	**44.3**	**44.4**	**45**
Manganese, Dissolved	0.3	0.3	**1**	**1**	**1.5**	**0.23**	**0.52**	**0.74**	**0.55**	**0.91**	0.0056 U	**0.03**	**0.086**	**0.68**	**0.025**	**0.48**	**0.48**	**0.21**
Nickel, Dissolved	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.15**	0.022 U	0.022 U	0.022 U
Potassium, Dissolved	NE	NE	**26.4**	**26.3**	**11.5**	**3.5**	**4**	**2.9**	**3.7**	**14.7**	**24.4**	**6.1**	**20.3**	**15**	**4.6**	**5.7**	**5.7**	**7.9**
Selenium, Dissolved	0.05	0.05	0.022 U	**0.0089** J	**0.0087** J	0.022 U	0.022 U	0.044 U	0.022 U	**0.011** J	**0.011** J	**0.046**	**0.014** J	0.022 U	**0.064**	**0.037**	**0.036**	0.022 U
Sodium, Dissolved	NE	NE	**75.7**	**75.3**	**64.9**	**150**	**88.3**	**121**	**66.2**	**67.2**	**293**	**94.4**	**340**	**118**	**167**	**191**	**191**	**194**
Thallium, Dissolved	0.002	0.002	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Vanadium, Dissolved	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.011 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Dissolved	2	2	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.0076** J	0.022 U	0.022 U	0.022 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-24	MW-24	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S	MW-34D
Sample ID			MW-24	MW-24-DUP	MW-25	MW-26S	MW-26D	MW-27S	MW-27D	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	MW-34S	MW-34S DUP	MW-34D
Date			12/11/2024	12/11/2024	12/11/2024	12/18/2024	12/18/2024	12/17/2024	12/17/2024	12/10/2024	12/12/2024	12/13/2024	12/12/2024	12/12/2024	12/12/2024	12/18/2024	12/18/2024	12/18/2024
General Chemistry (mg/L)																		
Acidity, Total	NE	NE	**22**	**36**	**35**	**14**	**52**	**39**	**24**	**24**	5 U	**11**	5 U	**17**	**6**	**18**	**17**	**7**
Alkalinity, Total	NE	NE	**295**	**294**	**460**	**486**	**534**	**377**	**392**	**795**	**187**	**280**	**96**	**331**	**203**	**493**	**506**	**506**
Chloride	250 (8)	250 (8)	**70.9**	**73.8**	**103**	**101**	**37.2**	**36**	**18.3**	**74.5**	**231**	**46.3**	**534**	**217**	**114**	**123**	**124**	**104**
Nitrate-N	10	10	2.5 U	2.5 U	2.5 U	2.5 U	**2** J	**4.7**	**2** J	2.5 U	2.5 U	**14**	**1.1** J	2.5 U	**18.1**	**2.8**	**3.3**	2.5 U
pH (SU)	6.5 - 8.5	NE	**8.27**	**8.28**	**8.3**	**8.29**	**8.23**	**8.14**	**8.24**	**8.31**	**9.64**	**8.49**	**8.42**	**8.32**	**8.25**	**8.2**	**8.26**	**8.43**
Specific Conductance (µmhos/cm)	NE	NE	**1,850**	**1,850**	**1,580**	**3,120**	**2,030**	**3,210**	**2,290**	**1,490**	**2,070**	**1,470**	**3,000**	**1,660**	**1,640**	**2,030**	**2,050**	**1,950**
Sulfate	250 (8)	250 (8)	**708**	**697**	**339**	**685**	**598**	**1,540**	**647**	**4.2** J	**452**	**423**	**1,050**	**148**	**442**	**444**	**453**	**450**
Total Dissolved Solids	NE	NE	**1,420**	**1,380**	**1,100**	**1,200**	**1,320**	**2,660**	**1,360**	**826**	**1,240**	**1,100**	**2,200**	**1,050**	**1,210**	**1,020**	**1,170**	**1,500**
Turbidity (NTU)	NE	NE	**75**	**70**	**130**	**450**	**22**	**12**	**9.3**	**110**	**16**	**1.9**	**120**	**9.1**	**1**	**380**	**360**	**550**

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45
Sample ID			MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40 DUP	MW-41	MW-42	MW-43	MW-44	MW-45
Date			12/13/2024	12/13/2024	12/17/2024	12/17/2024	12/10/2024	12/11/2024	12/9/2024	12/9/2024	12/9/2024	12/9/2024	12/17/2024	12/9/2024	12/9/2024	12/10/2024
Volatile Organic Compounds (µg/L) [1]																
1,2,4-Trimethylbenzene	130	530	1 U	1 U	**203** J	**179** J	1 U	1 U	1 U	**18** J	**17.9** J	**83.9**	50 U	1 U	1 U	50 U
1,3,5-Trimethylbenzene	130	530	1 U	1 U	**135** J	**123** J	1 U	1 U	1 U	**10.4** J	**10.5** J	**14.1** J	50 U	1 U	1 U	50 U
Acetone	31,000	88,000	**4.6** J	10 U	5,000 U	5,000 U	10 U	10 U	10 U	500 U	500 U	500 U	500 U	10 U	10 U	500 U
Benzene	5	5	**3.1**	1 U	**7,910**	**6,260**	1 U	1 U	**9.5**	**1,510**	**1,540**	**27,100**	50 U	1 U	1 U	**27,600**
Bromomethane	10	10	**0.53** J	1 U	500 U	500 U	1 U	1 U	1 U	50 U	50 U	50 U	50 U	1 U	1 U	50 U
Carbon Disulfide	1,500	6,200	1 U	1 U	500 U	500 U	1 U	1 U	1 U	50 U	50 U	50 U	50 U	1 U	1 U	50 U
Chloroform	80	80	1 U	1 U	500 U	500 U	1 U	1 U	1 U	50 U	50 U	50 U	50 U	1 U	1 U	50 U
Chloromethane	30	30	1 U	1 U	500 U	500 U	1 U	1 U	1 U	50 U	50 U	50 U	50 U	1 U	1 U	**17.2** J
Ethylbenzene	700	700	1 U	1 U	**219** J	500 U	1 U	1 U	1 U	50 U	50 U	**230**	50 U	1 U	1 U	**27.3** J
Isopropylbenzene	840	3,500	1 U	1 U	500 U	500 U	1 U	1 U	1 U	50 U	50 U	**12.8** J	50 U	1 U	1 U	50 U
m&p-Xylene [2]	10,000 [3]	10,000 [3]	2 U	2 U	**1,950**	**1,690**	2 U	2 U	2 U	**41.8** J	**42.8** J	**118**	100 U	2 U	2 U	**413**
o-Xylene	10,000 [3]	10,000 [3]	**0.99** J	1 U	**551**	**504**	1 U	1 U	**0.54** J	**19.1** J	**19.7** J	**97.1**	50 U	1 U	1 U	**180**
Styrene	100	100	1 U	1 U	**209** J	**188** J	1 U	1 U	1 U	**13.4** J	**12.6** J	50 U	50 U	1 U	1 U	50 U
Toluene	1,000	1,000	1 U	1 U	**1,430**	**2,260**	1 U	1 U	**0.26** J	**95.6**	**94.3**	**152**	50 U	1 U	1 U	**2,510**
Total Xylenes	10,000	10,000	**0.99** J	3 U	**2,500**	**2,200**	3 U	3 U	3 U	**60.9** J	**62.5** J	**215**	150 U	3 U	3 U	**593**
Semi-Volatile Organic Compounds (µg/L) [4]																
2,4-Dimethylphenol	690	1,900	3 U	**0.53** J	**311**	**183**	3 U	3 U	**1.3** J	**116**	**114**	**117**	3 U	3 U	3 U	3 U
2-Methylnaphthalene	6.3	26	1.5 U	1.5 U	**791** E	**828**	1.5 U	1.5 U	1.5 U	**81.5**	**76.5**	**205**	**0.58** J	1.5 U	**0.27** J	**0.67** J
4-Nitroaniline	33	140	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Nitrophenol	60	60	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Acenaphthene	2,100	3,800	1.5 U	1.5 U	**15.2**	**12.6**	**0.64** J	1.5 U	**3.1**	**41.4**	**40.7**	**159**	1.5 U	1.5 U	**5.1**	**0.59** J
Acenaphthylene	2,100	5,800	**1.5**	**0.77** J	**417**	**409**	1.5 U	1.5 U	**0.94** J	**83.3**	**82.7**	**6.6**	**0.32** J	1.5 U	**0.33** J	1.5 U
Acetophenone	3,500	9,700	3 U	3 U	3 U	**12.2**	3 U	3 U	**3.8**	3 U	3 U	3 U	3 U	3 U	**3** J	**60.4**
Anthracene	66	66	**0.67** J	**0.55** J	**23**	**18.2**	1.5 U	1.5 U	**0.62** J	**12.2**	**11.9**	**6.3**	1.5 U	1.5 U	**0.52** J	1.5 U
Benzo(a)anthracene	0.3	3.9	1.5 U	1.5 U	**2.2**	**1.2** J	1.5 U	1.5 U	1.5 U	**0.72** J	**0.71** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(a)pyrene	0.2	0.2	1.5 U	1.5 U	**0.94** J	**0.4** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(b)fluoranthene	0.18	1.2	1.5 U	1.5 U	**0.91** J	**0.45** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(g,h,i)perylene	0.26	0.26	1.5 U	1.5 U	**0.41** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzo(k)fluoranthene	0.18	0.55	1.5 U	1.5 U	**0.94** J	**0.37** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Biphenyl	0.84	3.5	3 U	3 U	**64.8**	**61.4**	3 U	3 U	3 U	**11.6**	**11.2**	**20.6**	3 U	3 U	3 U	3 U
bis(2-Chloroethoxy)methane	100	290	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
bis(2-Ethylhexyl)phthalate	6	6	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzylphthalate	340	1,400	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Caprolactam	NE	NE	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	33	140	3 U	3 U	**572**	**513**	**0.85** J	3 U	**2.7** J	**92.3**	**90.1**	**94.2**	**0.48** J	3 U	**0.74** J	3 U
Chrysene	1.8	1.9	1.5 U	1.5 U	**1.8**	**0.86** J	1.5 U	1.5 U	1.5 U	**0.37** J	**0.46** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dibenzo(a,h)anthracene	0.052	0.6	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Dibenzofuran	35	97	3 U	3 U	**138**	**138**	**1** J	3 U	**1.3** J	**47.3**	**47.8**	**58.9**	3 U	3 U	**0.66** J	3 U
Diethylphthalate	28,000	78,000	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Di-n-Butylphthalate	3,500	9,700	3 U	3 U	3 U	3 U	3 U	3 U	**1.1** J	3 U	3 U	3 U	3 U	3 U	**0.71** J	3 U
Di-n-Octylphthalate	350	970	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Fluoranthene	260	260	**0.25** J	1.5 U	**17.2**	**12.7**	**0.55** J	1.5 U	**0.54** J	**15.6**	**15.6**	**7.4**	1.5 U	1.5 U	**0.87** J	1.5 U
Fluorene	1,400	1,900	1.5 U	1.5 U	**136**	**143**	**0.52** J	1.5 U	**3.4**	**71.1**	**71.8**	**59.5**	1.5 U	1.5 U	**2.2**	**0.71** J
Indeno(1,2,3-cd)pyrene	0.18	2.3	1.5 U	1.5 U	**0.48** J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
m&p-Cresol [5]	170 [6]	490 [6]	3 U	3 U	**292**	**72.1**	3 U	3 U	3 U	**136**	**146**	**29.5**	3 U	3 U	3 U	**23.3**
Naphthalene	100	100	**1.1** J	**2.8**	**8,780**	**11,200**	**1.1** J	1.5 U	**7.6**	**2,120**	**2,080**	**11,300** E	**7.7**	**0.75** J	**2.5**	**10.4**
Nitrobenzene	1.2	6.3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45
Sample ID			MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40 DUP	MW-41	MW-42	MW-43	MW-44	MW-45
Date			12/13/2024	12/13/2024	12/17/2024	12/17/2024	12/10/2024	12/11/2024	12/9/2024	12/9/2024	12/9/2024	12/9/2024	12/17/2024	12/9/2024	12/9/2024	12/10/2024
Semi-Volatile Organic Compounds (µg/L) [4] (cont.)																
o-Cresol	1,700	4,900	3 U	3 U	**839**	**308**	3 U	3 U	3 U	**150**	**151**	**17.1**	3 U	3 U	3 U	**18.5**
Phenanthrene	1,100	1,100	1.5 U	1.5 U	**116**	**99.7**	**0.39** J	1.5 U	**4.2**	**95.9**	**94.8**	**64.2**	1.5 U	1.5 U	**3.1**	**0.82** J
Phenol	2,000	2,000	8 U	8 U	**62.5**	**23.6**	8 U	8 U	8 U	**84.2**	**96.2**	**43.7**	8 U	8 U	8 U	**156**
Pyrene	130	130	1.5 U	1.5 U	**9.3**	**7.3**	**0.46** J	1.5 U	**0.3** J	**9.3**	**9.4**	**4.1**	1.5 U	1.5 U	**0.54** J	1.5 U
Total Metals (mg/L) [7]																
Aluminum, Total	0.2 [8]	0.2 [8]	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	**0.65**	**0.043** J	**0.043** J	**0.075** J	**0.78**	0.11 U	**0.27**	**0.044** J
Antimony, Total	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.012** J	0.022 U	**0.0089** J	0.022 U	0.022 U	0.022 U	0.022 U	**0.01** J
Arsenic, Total	0.01	0.01	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	**0.043**	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	**0.004** J
Barium, Total	2	2	**0.018**	**0.012**	**0.024**	**0.015**	**0.07**	**0.02**	**0.29**	**0.21**	**0.21**	**0.2**	**0.017**	**0.31**	**0.24**	**0.045**
Beryllium, Total	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Cadmium, Total	0.005	0.005	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Calcium, Total	NE	NE	**465**	**355**	**563**	**520**	**136**	**337**	**131**	**132**	**132**	**93.1**	**52.3**	**142**	**177**	**171**
Chromium, Total	0.1	0.1	**0.0029** J	**0.0028** J	**0.0028** J	**0.0026** J	0.0056 U	**0.0042** J	**0.0059**	**0.0074**	**0.009**	**0.0059**	0.0056 U	0.0056 U	**0.0068**	0.0056 U
Cobalt, Total	0.01	0.029	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	**0.004** J	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	**0.0029** J	0.0056 U
Copper, Total	1	1	**0.026**	**0.02**	**0.0089** J	**0.0086** J	0.011 U	**0.014**	**0.0059** J	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	**0.0037** J	0.011 U
Iron, Total	0.3 [8]	0.3 [8]	**0.92**	**0.72**	**6.2**	**0.81**	**5.8**	**3.3**	**23.3**	**10.6**	**10.5**	**7.9**	**1**	**6**	**29.9**	**2.4**
Lead, Total	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	**0.003** J	0.0067 U	0.0067 U	0.0067 U	**0.0027** J	0.0067 U	0.0067 U	0.0067 U
Magnesium, Total	NE	NE	**72.5**	**54**	**80.9**	**91.2**	**41.7**	**77.1**	**56.2**	**117**	**118**	**163**	**6.4**	**41.9**	**114**	**34.9**
Manganese, Total	0.3	0.3	**0.38**	**0.0087**	**1.6**	**0.55**	**1.2**	**0.33**	**1.5**	**1.2**	**1.2**	**1.4**	**0.029**	**0.49**	**0.92**	**0.82**
Nickel, Total	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Total	NE	NE	**3.6**	**2.2**	**8.6**	**3.1**	**15.6**	**3.2**	**49.8**	**50.6**	**50.7**	**39.7**	**4.1**	**21.4**	**40.6**	**13**
Selenium, Total	0.05	0.05	0.022 U	0.022 U	**0.016** J	**0.018** J	0.022 U	**0.21**	0.022 U	0.022 U	0.022 U	0.022 U	**0.008** J	0.022 U	0.022 U	0.022 U
Sodium, Total	NE	NE	**104**	**65.1**	**31.1**	**38.9**	**42.3**	**17.9**	**123**	**81.7**	**81.6**	**29.4**	**45.2**	**29.1**	**38.1**	**29.7**
Vanadium, Total	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Total	2	2	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Dissolved Metals (mg/L) [9]																
Aluminum, Dissolved	0.2 [8]	0.2 [8]	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Antimony, Dissolved	0.006	0.006	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Arsenic, Dissolved	0.01	0.01	**0.0034** J	0.009 U	**0.0073** J	**0.0073** J	0.009 U	0.009 U	**0.062**	**0.004** J	0.009 U	0.009 U	**0.005** J	0.009 U	**0.0031** J	0.009 U
Barium, Dissolved	2	2	**0.018**	**0.012**	**0.024**	**0.015**	**0.068**	**0.02**	**0.26**	**0.21**	**0.21**	**0.2**	**0.012**	**0.31**	**0.24**	**0.045**
Beryllium, Dissolved	0.004	0.004	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U	0.0044 U
Calcium, Dissolved	NE	NE	**449**	**341**	**566**	**529**	**135**	**329**	**163**	**138**	**139**	**99.6**	**45.9**	**147**	**185**	**163**
Chromium, Dissolved	0.1	0.1	**0.0047** J	**0.0032** J	**0.0024** J	**0.0027** J	0.0056 U	**0.0047** J	0.0056 U	**0.0064**	**0.013**	**0.0071**	0.0056 U	**0.0066**	**0.0049** J	0.0056 U
Cobalt, Dissolved	0.01	0.029	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Copper, Dissolved	1	1	**0.023**	**0.016**	**0.007** J	**0.0064** J	0.011 U	**0.0068** J	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
Iron, Dissolved	0.3 [8]	0.3 [8]	**0.9**	**0.7**	**5.9**	**0.8**	**5.5**	**3.3**	**21**	**10.5**	**10.6**	**8**	0.067 U	**5.8**	**28.9**	**2.1**
Lead, Dissolved	0.005	0.005	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0067 U
Magnesium, Dissolved	NE	NE	**70.4**	**52.5**	**81.1**	**91.6**	**40.7**	**76.6**	**55.6**	**118**	**118**	**165**	**5.6**	**41.8**	**113**	**34.3**
Manganese, Dissolved	0.3	0.3	**0.39**	**0.012**	**1.6**	**0.57**	**1.1**	**0.35**	**1.6**	**1.2**	**1.2**	**1.4**	**0.0033** J	**0.47**	**0.89**	**0.72**
Nickel, Dissolved	0.1	0.1	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Potassium, Dissolved	NE	NE	**3.6**	**2.1**	**8.5**	**3.1**	**15.3**	**3.2**	**44.1**	**51.1**	**51.2**	**40.9**	**3.9**	**21.3**	**40.6**	**12.7**
Selenium, Dissolved	0.05	0.05	**0.031**	**0.032**	0.022 U	0.022 U	**0.013** J	**0.21**	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U
Sodium, Dissolved	NE	NE	**105**	**65.2**	**30.6**	**38.4**	**41.5**	**17.9**	**155**	**82.8**	**82.7**	**30.4**	**43.5**	**29.1**	**38.2**	**28.2**
Thallium, Dissolved	0.002	0.002	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	**0.011** J	0.022 U	0.022 U	0.022 U	0.022 U
Vanadium, Dissolved	0.17	0.49	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U	0.0056 U
Zinc, Dissolved	2	2	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U

TABLE 7

SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS - DECEMBER 2024 GROUNDWATER SAMPLING EVENT
SUPPLEMENTAL SITE INVESTIGATION
ERIE COKE SITE
CITY OF ERIE, ERIE COUNTY, PENNSYLVANIA

Site ID	PADEP Residential Groundwater MSCs (Used Aquifer; TDS≤2500)	PADEP Nonresidential Groundwater MSCs (Used Aquifer; TDS≤2500)	MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40	MW-41	MW-42	MW-43	MW-44	MW-45
Sample ID			MW-35S	MW-35D	MW-36S	MW-36D	MW-37	MW-38D	MW-39	MW-40	MW-40 DUP	MW-41	MW-42	MW-43	MW-44	MW-45
Date			12/13/2024	12/13/2024	12/17/2024	12/17/2024	12/10/2024	12/11/2024	12/9/2024	12/9/2024	12/9/2024	12/9/2024	12/17/2024	12/9/2024	12/9/2024	12/10/2024
General Chemistry (mg/L)																
Acidity, Total	NE	NE	**24**	**21**	**50**	**51**	**15**	**40**	**8**	**5**	**33**	5 U	**5**	**6**	**62**	**25**
Alkalinity, Total	NE	NE	**302**	**77**	**368**	**358**	**481**	**382**	**748**	**1,230**	**1,230**	**1,100**	**210**	**617**	**1,160**	**213**
Chloride	250 [8]	250 [8]	**32.3**	**15.2**	**22**	**27.5**	**55.2**	**9.4**	**143**	**69.3**	**69.6**	**15.4**	**1.4** J	**26**	**41.4**	**11.4**
Nitrate-N	10	10	**37.4**	**18.2**	**28.7**	**30.7**	2.5 U	**39.8**	2.5 U	2.5 U	2.5 U	2.5 U	**0.64** J	2.5 U	2.5 U	2.5 U
pH (SU)	6.5 - 8.5	NE	**8.26**	**8.36**	**8.13**	**8.17**	**8.29**	**8.28**	**8.13**	**8.05**	**8.04**	**8.02**	**8.46**	**8.18**	**8.02**	**8.04**
Specific Conductance (µmhos/cm)	NE	NE	**2,810**	**1,910**	**3,450**	**3,500**	**1,070**	**1,870**	**1,740**	**1,810**	**2,550**	**1,810**	**416**	**1,090**	**2,070**	**1,090**
Sulfate	250 [8]	250 [8]	**1,120**	**785**	**1,400**	**1,290**	**82.2**	**601**	**40.7**	**34.4**	**33.3**	**9.4**	**14.6**	5 U	5 U	**379**
Total Dissolved Solids	NE	NE	**2,170**	**1,560**	**2,430**	**2,320**	**678**	**1,510**	**878**	**1,090**	**1,100**	**978**	**280**	**582**	**1,000**	**838**
Turbidity (NTU)	NE	NE	**1.2**	**0.85**	**50**	**3.4**	**70**	**1.1**	**230**	**55**	**55**	**28**	**28**	**70**	**200**	**23**

Notes/Qualifiers:

µg/L - microgram per liter
µhos/cm - Micromhos per centimeter
E - result exceeded calibration range
J - result is less than the RL but greater than or equal to the MDL; estimated
MDL - Method Detection Limit
mg/L - milligram per liter
MSC - Medium-Specific Concentration
MW - Monitoring Well
NE - Not Established
NTU - Nephelometric Turbidity Unit
PADEP - Pennsylvania Department of Environmental Protection
RL - Reporting Limit
SU - Standard Unit
SVOC - Semi-Volatile Organic Compound
TDS - Total Dissolved Solids
U - Not Detected
VOC - Volatile Organic Compound

Bolded - Concentration is detected in the sample
Shaded - Detected concentration exceeds the PADEP Residential Groundwater MSC
Boxed - Detected concentration exceeds the PADEP Nonresidential Groundwater MSC

It is noted that several of the non-detect results have reporting limits that exceed the respective screening criteria.

[1] - An additional 40 VOCs were analyzed for, but not detected.
[2] - Not a single chemical but a mixture of the isomers m-xylene and p-xylene.
[3] - Total Xylene used as a surrogate.
[4] - An additional 33 SVOCs were analyzed for, but not detected.
[5] - Not a single chemical but a mixture of the isomers m-cresol and p-cresol.
[6] - p-Cresol used as a surrogate.
[7] - Total mercury, Total silver, and Total thallium were also analyzed for, but not detected.
[8] - Secondary Maximum Contaminant Level (SMCL)
[9] - Dissolved cadmium, dissolved mercury, and dissolved silver were also analyzed for, but not detected.