2023-2024 Monitoring Report and Periodic Review Report

Location:

Former Consolidated Iron and Metals Site
EPA Site No. NY0002455756
NYSDEC BCP Site No. 336055
1 Washington Street
City of Newburgh
Orange County, New York

Prepared for:

City of Newburgh
83 Broadway
Newburgh, New York 12550

LaBella Project No. 2231596.01

June 2024

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1.0 EXECUTIVE SUMMARY

At the request of the City of Newburgh, LaBella Associates (LaBella) has prepared this Periodic Review Report (PRR) for submission to the United States Environmental Protection Agency (EPA) and the New York State Department of Environmental Conservation (NYSDEC). The report was prepared for the Former Consolidated Iron and Metal Property (the "Site"), located at 1 Washington Street, City of Newburgh, Orange County, New York. A Site Location Map is included as **Figure 1**.

The PRR was prepared in compliance with NYSDEC DER-10 and the general requirements of the Site Management Plan (SMP) prepared by CT Male, Inc. as approved by the EPA on June 27, 2014. This is the eighth PRR prepared for the Site since completion of the Remedial Action Program.

The Site is an approximately 8.3-acre parcel of vacant land abutting the western shore of the Hudson River. It is bounded by an active marina to the north, CSX railway and Water Street to the west, and the City of Newburgh Sewer Treatment plant to the south. The site is relatively flat with a gentle slope from west to east and an 8-foot-high steep embankment at the river's edge. During 2023-2024, the site was used as a mowed public access area and provides a location for a fenced sanitary sewer pumping station at the southwest corner.

1.1 Site History

An extensive history of Site operations, investigations, and remedial actions performed to date is included in the approved Site Management Plan. A brief summary is included below:

The Site was historically used as a shipyard from the early 1900s through the 1940s and then for scrap metal collection and reclamation until 1999. The scrap metal operation resulted in the on-site accumulation of hazardous compounds that included volatile and semi-volatile organic compounds (VOCs and SVOCs), polychlorinated biphenyls (PCBs), and EPA Priority Pollutant metals.

A number of investigations and removal actions were performed by EPA and NYSDEC between 1998 and 2013 resulting in the removal of above-grade waste and debris, and targeted excavation and off-site disposal of impacted soils from grade to six feet below grade or the water table.

A demarcation barrier-layer and protective clean soil cover system was placed across the site to restrict potential human contact with residually-impacted soils. Original soils remaining on site in areas where excavation was not required meets or is less than Restricted-Residential Use Soil Clean-up Objectives pf 6 NYCRR 375-6.8(b).

Residual groundwater impacts have remained at the Site that exceed ambient water quality standards (AWQS). Groundwater in the area is not used for potable drinking water and there are no significant downgradient ecological resources.

There are no on-site buildings at this time; however, the potential for Soil Vapor Intrusion (SVI) was evaluated during the remedial investigations. The potential for SVI to adversely impact off-site buildings was determined to be insignificant.

Based on the remedial work completed, the Site was reclassified in August 2014 from Class 2 to Class 4 in the New York State Registry of Inactive Hazardous Waste Sites (IHWS). This indicates that remediation has been completed to the point where the site no longer poses an immediate threat to human health or the environment. Continued site management is required until all on-site media achieve the Remedial Action Objectives (RAOs) established in the ROD.

1.2 Site Management

The detailed requirements for Site Management are specified in the SMP and are summarized as follows:

- Periodic visual inspection of approved Engineering Controls and appropriate maintenance as warranted;
- Compliance with the approved Institutional Controls with appropriate notification and implementation of protective measures if site uses are altered;
- Periodic monitoring of environmental media to evaluate the continued effectiveness of the remedy; and,
- Periodic reporting

Based on the currently approved schedule included in the SMP, each of the above tasks is completed on an annual basis.

2.0 ENGINEERING AND INSTITUTIONAL CONTROLS

A detailed description of the Engineering and Institutional Controls (EC/ICs) for the Site is included in the SMP and are summarized below.

The ECs include:

- A soil cover system (including the shoreline erosion control blanket and drainage); and,
- A site perimeter fence to restrict site access.

The ICs include:

- An environmental easement that requires;
    - Periodic inspection and maintenance (as required) of the ECs,
    - Periodic monitoring of on-site media;
    - Restrictions on future Site development and uses;
    - Requirements for modifications to future Site uses;
    - Requirements for notification and approval of modifications/disturbance to the ECs;
    - Requirements for evaluation of potential vapor impacts associated with future redevelopment of the Site; and,
- Periodic evaluation of the effectiveness of the remedy.

A visual assessment of ECs for the site was conducted by LaBella personnel on April 19, 2024 and is described in Section 2.1. Periodic sampling of groundwater also occurred on April 19, 2024. The sampling methods and procedures are described in Section 2.2. Laboratory analysis was provided by York Environmental Laboratories. The laboratory results are discussed in Section 3.

The required EC/IC certification is attached in **Appendix B**.

2.1 Site Inspection

The site is a rectangular vacant parcel approximately 450 feet wide (east to west) and 800 feet long (north to south) abutting the western shore of the Hudson River. It is a relatively planar site with a gentle dip from west to east. The site is mowed and has pedestrian trails allowing controlled use of the property as a low-impact public access area. There is a standard 96"-high perimeter security fence on the upland northern, western, and southern property boundary with access gates near the northwest and southwest corners. The shoreline along the river is open but not readily accessible (no landing, with a steep rip-rap embankment). A public access gate is located along the northern security fence.

Visual inspection of the site was performed by LaBella personnel on April 19, 2024. Commencing at the northwest corner of the site, the inspector walked the site perimeter in a counter-clockwise direction to observe the condition of the perimeter fence and erosion control blanket along the river front.

Central areas of the site were inspected while sampling the monitoring well network. A site map with approximate locations of the traverses and photos are included in **Appendix A**.

The following observations were noted during the site walk:

- The perimeter fence appeared to be intact with no evidence of tampering or damage. Vegetation in some areas could eventually damage the fence if allowed to continue to grow unchecked.

- The eastern boundary abutting the Hudson is steeply sloped with a heavy rip-rap erosion blanket approximately 25 feet wide. Based on the topographic survey, the rip-rap extends from an elevation 8 feet AMSL to approximately 0 feet AMSL. Accumulated driftwood parallel to the shoreline is present up to about 9 feet AMSL. No evidence was observed of any significant scouring or sloughing of the soils from surface drainage or development of surface drainage channels.

- The perimeter of the site is vegetated with small trees and shrubs along the fence line and top of bank along the riverfront. The interior is predominantly an open field with wild grass, flowers, and weeds with a few small scrub bushes. No heavy growth or deep rooting brush, thickets, or trees were observed in the field.

- A gravel walking path installed in 2017 extends from the northern fence line to the shore. Several picnic tables with grills and bleacher seats are located within open mowed areas. The footpaths show no adverse impact of the underlying soil cover system.

- There is a fenced sanitary sewer pumping station on the site near the southwest corner within the perimeter. LaBella understands this station was installed as part a municipal sewer system upgrade completed by the City of Newburgh in 2017.

No evidence of vermin, burrows, or warrens that could potentially damage the protective cover were observed on-site.

2.2 Site Monitoring

On April 19, 2024, one full round of groundwater samples was collected from eight existing on-site groundwater monitoring wells, consistent with the SMP. Two other wells, MW-05 and MW-10, were removed from the annual sampling program in September 2019 with the consent of NYSDEC.

Prior to the sampling event, wells were visually inspected for evidence of damage and/or tampering. They appeared to be intact with no evidence of damage and were secured with locks, locking caps, and internal friction caps in-place. The depths to water were then measured with an electronic interface probe to the nearest 0.01 feet and recorded on the field sampling logs.

Monitoring wells were sampled using low-flow methods using a peristaltic pump at pumping rates ranging from 0.05 to 0.08 gallons per minute, limiting drawdown and allowing sample

collection upon documentation of stabilized field parameters. Dedicated sample tubing was used for purging and sample collection at each well.

During the low-flow sampling, the depths to water in the well and Water Quality Parameters (WQPs) were measured and recorded in five-minute intervals. The WQPs (temperature, pH, specific conductance, oxidation-reduction potential, and dissolved oxygen) were measured with an YSI Professional Plus multi-parameter water quality meter. Pumping continued until drawdown and the WQPs stabilized. The data were recorded on the sampling logs attached in **Appendix A**.

Groundwater samples were collected from the wells into laboratory-supplied sample containers, recorded on the chain-of-custody, and placed in ice-filled coolers, then transferred to a secure sample refrigerator. Samples were transported directly to the laboratory by courier service. The lab reported that all samples arrived at the lab within the specified holding time and at appropriate temperature.

The groundwater samples were submitted for laboratory analysis in compliance with the sampling and analysis plan included in the SMP. Effective September 2019, NYSDEC approved changes to the sampling parameters and methods as follows::

CP-51 list of VOCs by Method 8260C
CP-51 list of SVOCs by Method 8270D
Total lead
Total Arsenic (at MW-02 only)

At the request of NYSDEC, additional sampling for per- and poly-fluoroalkyl substances (PFAS) and 1,4-Dioxane was conducted at all eight wells during the 2024 monitoring event. All samples were analyzed using ASP methods with standard Class A data deliverables.

Quality Control/Quality Assurance samples were collected to evaluate data quality. One Trip Blank, a field duplicate, and a Matrix Spike and Matrix Spike Duplicate were collected during the sampling event. The field duplicate and the MS/MSD samples for all analyses were collected from MW-01.

3.0 MONITORING RESULTS

3.1 Water Table

The depths to water from the surveyed measuring point elevations for each well on April 19, 2024, were used to determine the water table elevation in each well. The results are included in the table below.

Water Table 19-April-2023					
Well	**Measuring Point (ft AMSL)**	**Ground (Surface (ft AMSL)**	**Stick-Up (feet)**	**Depth To Water (ft)**	**Water Table Elevation**
MW-01	18.01	15.00	3.01	13.17	4.84
MW-02	13.99	11.17	2.82	11.86	2.13
MW-03	13.26	10.15	3.10	11.47	1.79
MW-04	11.74	8.77	2.98	9.99	1.75
MW-05	11.52	8.45	3.07	9.65	1.87
MW-06	10.50	7.84	2.66	8.33	2.17
MW-07	10.76	7.99	2.77	8.93	1.83
MW-08	10.85	8.14	2.71	8.98	1.87
MW-09	15.69	12.35	3.34	12.24	3.45
MW-10	11.13	8.47	2.66	9.17	1.96
Elevation in NAVD 88 AMSL = Above Mean Sea Level					

The data (shaded yellow) were plotted on **Figure 3** using the site survey map for reference elevations. A site survey is included as **Figure 2**.

Based on available Hudson River tidal data for Newburgh, NY the tidal range for April 19, 2024 was:

low tide: 4:01 am	0.6 ft
high tide: 9:51 am	2.6 ft
low tide: 4:29 pm	0.3 ft
high tide: 10:22 pm	2.8 ft

Tidal influences on water levels have not been evaluated. However, all groundwater elevations fall within the tidal range except for the upland-most wells (MW-01, MW-09). This suggests net groundwater flow is consistently from west to east through the site towards the Hudson River. **Figure 3** shows a site water table interpretation, confirming net groundwater gradients toward the tidal Hudson River.

3.2 Water Quality Parameters

Water quality parameters were collected multiple times at each sample location during the sampling event using a hand-held YSI ProPlus multi-parameter water quality meter. The results are included on the sampling data sheets included in **Appendix A**.

The final WQPs collected at each well just prior to sampling are included in the table below.

April 19, 2024 Sampling Event						
Well ID	**Temp (°C)**	**pH**	**SC (µS/cm)**	**ORP (mV)**	**DO (mg/l)**	**Site Area**
MW-01	8.7	6.92	1403	-148.1	0.33	North Site Area
MW-02	8.2	6.51	1420	-132.5	1.66	
MW-05						
MW-06	7.5	7.35	476.9	45.4	6.22	
MW-10						
MW-03	7.9	7.11	457.5	-154.9	0.65	South Site Area
MW-04	7.9	7.01	1148	-126.9	0.58	
MW-07	7.3	7.34	765	-162.9	0.34	
MW-08	6.5	6.97	475.4	21.0	0.40	
MW-09	11.8	7.19	1047	-117.8	0.38	

Groundwater chemistry differentiates geographically into two areas, with five monitoring wells in each area. The areas are separated by the deep soil excavation area that traverses the middle of the Site in an east-west direction. Wells in the northern area include MW-1, MW-2, MW-5, MW-6 and MW-10 and wells in the southern area are MW-3, MW-4, MW-7, MW-8 and MW-9.

During the April 2024 sampling event, the average WQPs in the north and south groups were very similar with the exception of DO, which was higher in MW-6 than during prior sampling events. ORP also differed in MW-6 relative to other site monitoring wells. These parameters can be observed further in future sampling events.

3.3 Volatile Organic Compounds – April 19, 2024 Data

A summary table for detected VOC concentrations is included below.

Sample ID	AWQS	MW-1		MW-2		MW-4		MW-7		MW-9	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
CP-51 VOCs	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L	
1,2,4-Trimethylbenzene	5	**13**		0.20	U	0.20	U	0.20	U	0.20	U
1,3,5-Trimethylbenzene	5	3.7		0.20	U	0.20	U	0.20	U	0.20	U
Benzene	1	**1.1**		0.20	U	0.20	U	0.21	J	**3.9**	
Ethyl Benzene	5	**8.3**		0.20	U	0.20	U	0.20	U	0.20	U
Isopropylbenzene	5	4.0		0.20	U	0.20	U	0.20	U	0.20	U
MTBE	10	0.63		0.37	J	2.2		2.1		0.20	U
Naphthalene	10	**21**		1.0	U	1.0	U	1.0	U	1.0	U
n-Butylbenzene	5	0.86		0.20	U	0.20	U	0.20	U	0.20	U
n-Propylbenzene	5	**9.5**		0.20	U	0.20	U	0.20	U	0.20	U
o-Xylene	5	4.5		0.20	U	0.20	U	0.20	U	0.20	U
p- & m-Xylenes	5	**6.3**		0.20	U	0.20	U	0.20	U	0.20	U
p-Isopropyltoluene	5	0.90		0.20	U	0.20	U	0.20	U	0.20	U
Sec-Butylbenzene	5	1.4		0.20	U	0.20	U	0.20	U	0.20	U
Toluene	5	0.77		0.21	J	0.20	U	0.20	U	0.20	U

The table includes any VOC compound detected above the method detection limits, including estimated concentrations. No compounds were detected in MW-3, MW-6 or MW-8. The laboratory results for all VOCs and qualifier descriptions are included in **Table 1**.

3.4 Semi-Volatile Organic Compounds – April 19, 2024 Data

A summary table of detected SVOC concentrations is included below.

Sample ID	AWQS	MW-1		MW-7	
Date		4/19/2024		4/19/2024	
Compound		Result	Q	Result	Q
CP-51 SVOCs	ug/L	ug/L		ug/L	
Acenaphthene	20	0.427		0.640	
Anthracene	50	0.0521	U	0.865	
Benzo(a)anthrancene	0.002	**0.333**		0.0562	U
Benzo(a)pyrene	0.002	**0.323**		0.0562	U
Benzo(b)fluoranthene	0.002	**0.229**		0.0562	U
Benzo(g,h,i)perylene	--	0.365		0.0562	U
Benzo(k)fluoranthene	0.002	**0.458**		0.0562	U
Chrysene	0.002	**0.406**		0.0562	U
Dibenzo(a,h)anthrancene	--	0.552		0.0562	U
Fluoranthene	50	0.0521	U	0.348	
Fluorene	50	0.312		0.281	
Indeno(1,2,3-cd)pyrene	0.002	**0.406**		0.0562	U
Naphthalene	10	0.0521	U	0.438	
Phenanthrene	50	0.0521	U	0.843	
Pyrene	50	0.0521	U	0.337	

The table includes any SVOC compound detected above the method detection limits. Each of the remaining six samples collected during this event were non-detectable for the six polyaromatic hydrocarbons (PAHs) shown above, however, the laboratory method detection limit (MDL) was greater than the applicable AWQS of 0.002 µg/L for these compounds. The field duplicate for this sample reported no SVOCs above MDLs (see Section 3.8 for further detail).

The laboratory results for all SVOCs and qualifier descriptions are included in **Table 2**.

3.5 Lead and Arsenic

The laboratory results for metals and qualifier descriptions are included in **Table 3**.

Total Lead was detected in five of the eight samples at a concentration exceeding the quantification limit of 1.11 µg/l. Only one of these samples, collected from well MW-08, was reported at a concentration slightly over the standard of 25 µg/L.

Arsenic was detected in well MW-02 at a concentration of 22.5 ug/L, below the standard of 25 ug/L.

3.6 Per- and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane

Sampling for PFAS compounds and 1,4-Dioxane was last performed in 2018, at which time only three of the site monitoring wells were sampled. NYSDEC requested additional, more comprehensive sampling for these compounds in 2024. As such, aliquots were obtained from each of the eight active monitoring wells on April 19, 2024. Summary tables for PFAS compounds and 1,4-Dioxane are included below.

Sample ID	**AWQS**	**MW-01**		**MW-02**		**MW-03**		**MW-04**		**MW-06**		**MW-07**		**MW-08**		**MW-09**	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS Compounds	ng/L	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
Perfluorobutanesulfonic Acid (PFBS)	--	3.45		9.33		1.56		12.5		0.926	U	5.93		0.926	U	5.21	
Perfluorohexanoic Acid (PFHxA)	--	11.1		12.2		0.926	U	9.00		10.1		6.02		1.21		6.78	
Perfluoroheptanoic Acid (PFHpA)	--	10.3		14.1		0.926	U	6.29		7.73		7.22		1.90		3.94	
Perfluorohexanesulfonic Acid (PFHxS)	--	13.4		14.7		1.18		7.08		3.54		11.6		0.926	U	3.68	
Perfluorooctanoic Acid (PFOA)	6.7	**10.2**		**18.7**		1.94		5.75		4.73		**23.9**		1.66		**6.87**	
Perfluorooctanesulfonic Acid (PFOS)	2.7	**62.1**		**25.5**		**2.91**		1.16		**18.3**		**58.5**		**4.71**		**14.8**	
Perfluorononanoic Acid (PFNA)	--	2.11		1.32		0.926	U	0.926	U	0.926	U	5.33		0.926	U	0.926	U
Perfluoropentanoic Acid (PFPeA)	--	12.4		15.4		0.926	U	10.9		17.5		9.43		1.75		8.18	
Perfluoro-1-heptanesulfonic Acid (PFHpS)	--	0.926	U	1.70		0.926	U	0.926	U	0.926	U	3.18		0.926	U	0.926	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2 FTS)	--	2.31	U	2.31	U	2.31	U	2.31	U	2.31	U	2.39		2.31	U	2.31	U
Perfluoro-n-butanoic Acid (PFBA)	--	10.1		11.4		2.65		13.2		8.70		8.70		2.87		7.45	

Sample ID	**AWQS**	**MW-02**		**MW-03**		**MW-04**		**MW-07**	
Compound		Result	Q	Result	Q	Result	Q	Result	Q
	ug/L	ug/L		ug/L		ug/L		ug/L	
1,4-Dioxane	1.0	0.752		**4.32**		**4.32**		0.768	

The tables include any compound detected at any concentration that exceeded the method detection limits. The laboratory results for all PFAS compounds and 1,4-Dioxane, and qualifier descriptions are included in **Table 4**.

3.7 PCBs and Pesticides

Sample analysis for PCBs and/or pesticides was not performed nor required. These parameters were removed from the monitoring program in September 2019 with NYSDEC's approval.

3.8 QA/QC Sampling Results

No VOCs were reported in the Trip Blank.

The results for the field duplicate (CIM-FD-001) and the parent sample (CIM-MW-01) were very similar, generally within approximately 10% of one another, for VOCs, PFAS Compounds, 1,4-Dioxane and Lead. The only exception was the SVOC run, which matched up well for acenaphthene and fluorene, but did not match for the six PAH compounds that exceeded the low AWQS of 0.002 ug/L in the initial MW-01 analysis. The FD-001 analysis was non-detectable for these six compounds, as were the remaining groundwater samples. The source of this disagreement is unknown, as the laboratory did not note any QA/QC issues.

No PAHs have been reported in MW-01 groundwater samples since at least 2015. Since they were not detected in the field duplicate and have been consistently absent from the well, it appears that the reported concentrations in the initial MW-01 sample were anomalous.

Analysis of MS/MSD samples indicated good recoveries and comparable results.

With the exception noted above regarding the SVOC results at MW-01, the data appear to be representative of actual groundwater conditions on the date of the sampling event. The data have not been independently validated by a third-party chemist, nor is it required.

4.0 DATA REVIEW

The site compounds of concern specified in the SMP include BTEX and MTBE, SVOCs, PCBs, lead and cadmium; therefore, prior annual sampling events included analyses for TCL-VOCs, TCL-SVOCs, TAL-Metals, and PCBs. Following the 2019 PRR submittal, a reduced list of analytes was approved for the network of 8 monitoring wells, including CP-51 lists of VOCs and SVOCs, and Lead. Arsenic was also included in the analysis for well MW-02. As per a NYSDEC request, analysis for PFAS compounds and 1,4-Dioxane was added for 2024.

Results for the last four sampling events (March/April 2021, October 2021, April 2023 and April 2024) are compared in the following sections.

4.1 VOCs

Upgradient site monitoring well MW-01 is the only well that has consistently exhibited a VOC presence over time. The April 2024 analytical results were below concentrations detected in 2018 and 2020 through 2023. Total VOC concentrations show some declining trends since 2015 (see **Graph 1** in **Table 1**).

Monitoring Well ID / Sampling Date / Compound	AWQS (µg/L)	MW-01							
		3/31/2021		10/11/2021		4/19/2023		4/19/2024	
		Result	Q	Result	Q	Result	Q	Result	Q
Benzene	1	**2.0**		**14**		2.0	U	1.1	
Ethyl Benzene	5	**32**		**100**		**120**		**8.3**	
Isopropylbenzene	5	**6.9**		**47**		**38**		4.0	
p- & m- Xylenes	5	0.50	U	4.0		5.0	U	**6.3**	
Toluene	5	0.49	J	3.4		2.3	J	0.77	

MTBE concentrations in historically-impacted wells MW-03 and MW-07 have been less the AWQS standard since 2015, as summarized below.

Summary of MTBE detections Date	AWQS (µg/L)	MW-03 (µg/L)	MW-07 (µg/L)
3/31/2021	10	< 0.20	2.5
10/11/2021		1.0	2.2
4/19/2023		2.3	2.1
4/19/2024		< 0.20	2.1

Benzene was detected in MW-09 during the April 2024 sampling event at a concentration of 3.9 µg/L, which is lower than that detected in October 2021. Benzene has only periodically been reported in this well.

4.2 SVOCs

PAHs were only detected in one sample during the April 2024 sampling event. Method detection limits ranged from 0.0500 to 0.0526 ug/L., which exceed the water quality

standard of 0.002 ug/L. These results are lower than those from 2021 and suggest that low level results reported in MW-08 in 2021 may have been anomalous.

The one exception in 2024 was well MW-01. As mentioned in Section 3.8, the initial analysis identified six PAHs at concentrations ranging from 0.229 to 0.458 ug/L, while these compounds were non-detectable in the field duplicate sample (CIM-FD-001 0424). While the laboratory did not note any QA/QC issues, the absence of SVOCs in that well over the last several years and in the duplicate sample suggest the initial MW-01 analysis is an anomaly.

Naphthalene, a gasoline-range SVOC, was not detected in April 2024 in the SVOC sample collected from MW-01, however, it was detected in the MW-01 VOC analysis at 21 ug/L. This result is within the same order of magnitude as the historical record. Naphthalene, along with associated BTEX (benzene, toluene, ethyl benzene, xylenes) compounds, have consistently remained below standards in on-site wells located downgradient from MW-01, suggesting controlled natural attenuation of organic compounds.

4.3 Lead and Arsenic

The concentrations of lead from the last five consecutive sampling events are included below. The lead is compared to the AWQS of 25 µg/L with concentrations in excess of the standard highlighted. Concentrations marked with a "B" flag were identified at trace concentrations in the analytical method blank, those marked with a "U" flag were not detected at the noted minimum detection limit and those marked with a "Di" flag were taken from a dissolved metals analysis

LEAD: AWQS = 25 µg/L												
Monitoring Well	**May 2020**		**March 2021**		**April 2021**		**Oct 2021**		**April 2023**		**April 2024**	
MW-01	1.11	U	1.11	U	NS		1.50		5.56	U	1.11	U
MW-02	1.11	U	1.11	U	NS		1.11	U	5.56	U	1.11	U
MW-03	4.51		**50.9**		**57.6** **52.7**	Di	3.94		5.56	U	6.75	
MW-04	5.37		1.11	U	NS		2.43		5.56	U	5.49	
MW-05	NS		NS		NS		NS		NS		NS	
MW-06	3.37		3.07		NS		7.39		5.56	U	1.55	
MW-07	4.75		17.2		NS		**45.4**		5.56	U	8.57	
MW-08	**54.0**		**742**		**45.1** **39.5**	Di	8.78 6.19	Di	**26.5**		**31.6**	
MW-09	1.45		1.11	U	NS		7.72		5.56	U	1.11	U
MW-10	NS		NS		NS		NS		NS		NS	
Hits	1		2		2		1		1		1	
Total	73		815		102.7		76		26.5		53.96	
Average	12		136		51.35		13		3.31		6.75	

The 2024 results for lead are below concentrations previously recorded in most locations except for well MW-08. The result from this location is within the historic range of values for this well.

Arsenic analysis was resumed at MW-02 during the March 2021 sampling event. Arsenic was detected at 22.5 ug/L in April 2024, which remains lower than many other recent results.

Other metals that are not site contaminants of concern that were consistently reported at levels exceeding AWQSs include magnesium, manganese, and sodium. The source of these metals has not been confirmed; however, they were generally considered benign and have been removed from the monitoring requirements for the Site.

4.4 PFAS and 1,4-Dioxane

Limited sampling for PFAS compounds and 1,4-Dioxane was last performed in 2018, at which time only three of the site monitoring wells were sampled. NYSDEC requested additional sampling for these compounds in 2024 to delineate the nature and extent of these compounds at the Site.

4.4.1 PFAS Compounds

Samples were obtained from all eight active monitoring wells in 2024. As discussed in Section 3.6, Perfluorooctanoic Acid (PFOA) was detected above the NYSDEC groundwater standard of 6.7 ng/L in four of eight wells, while perfluorooctanesulfonic Acid (PFOS) was detected above the standard of 2.7 ng/L in seven of eight wells. Overall, the highest PFAS concentrations (see Section 3.6 and **Table 4**) in 2024 were detected in perimeter wells (MW-01, MW-02, MW-07 and MW-09), while much lower concentrations were noted in wells nearer the site center (MW-03, MW-04, MW-06 and MW-08). Results of the 2024 analyses for MW-01, MW-06 and MW-07 are compared to the limited 2018 results below.

	MW-01		**MW-06**		**MW-07**	
Compound	*10/2018*	*4/2024*	*10/2018*	*4/2024*	*10/2018*	*4/2024*
Perfluorooctanoic Acid (PFOA)	17	10.2	35	4.73	53	23.9
Perfluorooctanesulfonic Acid (PFOS)	81	62.1	230	18.3	52	58.5
Total PFAS Compounds	**211**	**135.2**	**740**	**71.03**	**222**	**142.20**

The 2024 PFAS results for these three wells identified lower total PFAS concentrations and generally lower individual PFAS concentrations than those noted in 2018. The 2024 results suggest that while PFAS compounds are present across the Site, they may be entering the Site from offsite locations rather than originating from historical site operations. Further, as the comparison with 2018 data demonstrates, total PFAS concentrations appear to have decreased from 35% to 90% since 2018.

4.4.2 1,4-Dioxane

Samples were also obtained from all eight active monitoring wells for analysis of 1,4-Dioxane. 1,4-Dioxane was identified at concentrations exceeding the water quality standard of 1.0 ug/L in two wells (MW-03 and MW-04, both at 4.32 ug/L). Trace concentrations of 1,4-Dioxane, below 1.0 ug/L, were also identified in wells MW-02 and MW-07. The remaining four wells (MW-01, MW-06, MW-08 and MW-09) were non-detect. Results of the 2024 analyses for MW-01, MW-06 and MW-07 are compared to the limited 2018 results below.

	MW-01		MW-06		MW-07	
Compound	*10/2018*	*4/2024*	*10/2018*	*4/2024*	*10/2018*	*4/2024*
1,4-Dioxane	< 0.2	< 0.3	< 0.2	< 0.3	3.3	0.768

The 2024 1,4-Dioxane results were similar to or less than 2018 results in these three wells. Overall, the most recent data suggests the presence of 1,4-Dioxane is limited to a small area near the south-central portion of the site. Low to non-detect results across the remainder of the site suggest that this area of impacts is limited in size and is not migrating toward site boundaries.

5.0 SITE EVALUATION

5.1 Conclusions

The Remedial Action Objective for the site is to reduce or eliminate the potential threat to human health and the environment from direct contact with impacted soils and to protect groundwater and surface water from the migration of dissolved site-related COCs. LaBella offers the following conclusions based on the review of site conditions and current and historical data:

- The ECs/ICs implemented appear to be functioning as anticipated. The soil cover system remains in-place with no evidence of excess erosion and the erosion blanket along the river is intact with no observable evidence of failure or excess erosion. Since the last PRR was completed in 2023, no evidence of soil disturbance was observed within a fenced-in area. There are no active remediation units or systems on site that require evaluation, modification, or maintenance.

- Overall groundwater quality with respect to site-related compounds of concern has remained generally stable since the remedy was completed. BTEX compounds above standards are limited to upgradient perimeter wells MW-01 and MW-09. MTBE has not been detected or has remained below the groundwater standard in all site wells since 2015. Although low level PAHs were anomalously reported in upgradient wells MW-01 and MW-08 in two instances, current and historical site data does not suggest SVOCs are a significant concern. The presence or absence of SVOCs in site groundwater will continue to be monitored in future sampling events. Elevated lead was only noted in one monitoring well, MW-08, of the eight on-site wells sampled in April 2024, and arsenic persists in MW-02 but has fallen below the water quality standard.

- Sampling for PFAS compounds and 1,4-Dioxane was expanded to all active site wells in 2024 at the request of NYSDEC. PFOA and/or PFOS were detected above NYSDEC groundwater standards in several site wells, with the highest concentrations noted in perimeter wells. Comparison to results of the smaller 2018 event suggests that PFASs concentrations appear to be decreasing. 1,4-Dioxane was identified slightly above the NYSDEC groundwater standard in two wells (MW-03 and MW-04). Concentrations are similar to those noted at MW-07 in 2018, and the results suggest low-level impacts are limited to the south-central portion of the Site. As the Site remedy prohibits use of site groundwater and prevents access to residually-impacted soils, neither PFAS compounds nor 1,4-Dioxane appear to represent a significant concern for the Site and further sampling/investigation does not appear warranted.

- The existing ICs for the site prohibit the use of on-site groundwater as potable water. Additionally, the immediately downgradient receptor of groundwater discharge is the Hudson River. There are no known/previously identified sensitive ecological resources downgradient of the site that could be impacted by the migration of the groundwater. Consequently, site-wide groundwater impacts that exceed applicable AWQSs do not pose a potential threat to human health from potential contact or consumption or to the environment.

Based on the data and known site conditions, the EC/ICs for the site are protective and effective at meeting the Remedial Action Goals for the Site. Continued monitoring to document stable or improving conditions is warranted and sufficient.

5.2 Recommendations

LaBella recommends continuing the modified analytical program and annual site inspections as per the SMP to monitor contaminant levels sitewide. Samples intended for metals analysis where field turbidity readings exceed 50 NTU will continue to be field-filtered.

FIGURES

Path: B:\GLOBAL\Legacy\Chazen\Projects\41500-41599\41548.00 Newburgh Consolidated Iron site\PRR\2024\Tables and Figures\Figure1_SiteLocation 2024.mxd

Creator: EJO

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2231596.01 **Figure 1** 6/6/2024	Site Location Map	Former Consolidated Iron and Metals Site 1 Washington Street, Newburgh, New York

N

0 500 1,000 Feet

LaBella
Powered by partnership.

Data Source: Orange County 2023, USGS 2020-2024; LaBella 2015-2024.

Drawing Name: X:\41500-41599\41548.00 Newburgh Consolidated Iron site\SVY\Dwg\06_SVY_41548-00_TOPO.dwg
Last Saved By: JSMITH
Date Printed: Dec 08, 2015, 11:36am

SOUTH WATER STREET

RAILROAD TRACKS

CONC. MONUMENT FOUND

SEE MAP REFERENCE #3 FOR DISTANCE

WASHINGTON STREET (60' WIDE)

BENCHMARK XCUT EB HYD ELEV.=17.35

BENCHMARK RR SPIKE 24"COTTONWOOD ELEV.=8.15

POINT OF BEGINNING

S85°13'06"E 327.00'

N17°26'54"E 817.61'

N07°25'24"E 722.73'

N84°24'02"W 297.92'

S71°07'35"W 820.77'TIE COURSE

APPROX. WATER GRANT LINE

APPROX. WATER GRANT LINE

APPROX. WATER GRANT LINE

APPROX. WATER GRANT LINE

APPROX. WATER GRANT LINE

APPROX. WATER GRANT LINE

SOUTH WILLIAM STREET (50' WIDE)

Lands Formerly of ISAAC STANTON & JAS. H. MALLERY Letters Patent granted January 16, 1855

Lands Formerly of WASHINGTON IRON WORKS Letters Patent granted June 28, 1865

Lands Formerly of HOMER RAMSDELL Letters Patent granted JUNE 28, 1865

Lands Formerly of HOMER RAMSDELL Letters Patent granted OCTOBER 18, 1882

Lands Now or Formerly of NEW YORK CENTRAL LINES LLC Liber 5154 Page 183 Section 40 , Block 3, Lot 2

"OTHER AREAS ZONE X"

"OTHER FLOOD AREAS ZONE X"

"FLOOD ZONE AE"

FLOOD LINE "OTHER FLOOD AREAS ZONE X" (SCALED)

FLOOD LINE "FLOOD ZONE AE" (EL7)

LIMITS OF CHAZEN NOV. 2015 TOPO

MW#01 TOP PVC:18.01
MW#02 TOP PVC:13.99
MW#03 TOP PVC:13.26
MW#04 TOP PVC:11.74
MW#05 TOP PVC:11.52
MW#06 TOP PVC:10.50
MW#07 TOP PVC:10.76
MW#08 TOP PVC:10.85
MW#09 TOP PVC:15.69
MW#10 TOP PVC:11.13

PROPERTY CORNER WITHIN 8" SPRUCE

IRON ROD SET

IRON ROD SET ON LINE

IRON ROD FOUND SOUTH 0.7'

#88305

#44034

#40516B

UP CHGE #47395

UP CHGE #47380

UP CP# 23452 & TEL PEDISTAL

DMH INVERTS IN AND OUT ARE UNOBTAINABLE (RECESSED) BOTTOM OF CHAMBER ELEV.=0.2

DMH INVERTS IN AND OUT ARE UNOBTAINABLE (RECESSED) BOTTOM OF CHAMBER ELEV.=-3.1'

DMH T.R.=19.54' INVERT IN=12.3' INVERT OUT=12.2'

DMH T.R.=7.39' INVERT IN=2.6' INVERT OUT=2.5'

18" BOX CUL

24" CMP FLOW

15" CIP (ORIGIN UNKNOWN) INVERT =-14.68

SQUARE BOLT FOUND

EDGE PAVEMENT

BURIED PIPE

CHAIN LINK FENCE

PIPE RAIL FENCE

SWALE

GRAVEL

CONCRETE

OHW

UTILITY POLE

GUY WIRE

GATE

R:11.1

R:7.3

24" & 72" CIP FLOW

24" CIP INVERT =-1.6

75" CIP INVERT =-5.1

FLOW

INVERT =-1.94

78.43'

405.43'

42.37'

340.29'

WATERS EDGE

RIP RAP

DISTANCE ALONG SHORELINE APPROX. 1023'

HUDSON RIVER

NYS PLANE EAST ZONE

LEGEND:

- NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING OVERHEAD WIRES
- EXISTING WATER LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING SPOT GRADE
- EXISTING EDGE OF WATER
- EXISTING TREE W/ WIRE
- EXISTING UNKNOWN MANHOLE
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EXISTING HYDRANT
- EXISTING IRON ROD
- EXISTING LIGHT POLE
- EXISTING MONUMENT
- EXISTING SANITARY MANHOLE
- EXISTING WATER VALVE
- EXISTING SIGN
- EXISTING MONITORING WELL

MAP REFERENCES:

1. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "LANDS OF THE CITY OF NEWBURG TAX LOT 4 IN SECTION 37 BLOCK 4", PREPARED BY GREVAS AND HILDRETH, P.C., DATED JULY 17, 1989 AND ON FILE IN THE CITY OF NEWBURGH OFFICE OF MAP ARCHIVES.

2. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "PLAT PLAN OF SURVEY FOR REAL ESTATE ACQUISITION BY CITY OF NEWBURGH, NEW YORK", PREPARED BY HERBERT L. KARTIGANER P.E., L.S., DATED MARCH 20, 1961 AND ON FILE IN THE CITY OF NEWBURGH OFFICE OF MAP ARCHIVES.

3. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "CONSOLIDATED IRON", MAP 61-13-29. DATED 1898 AND ON FILE IN THE CITY OF NEWBURGH OFFICE OF MAP ARCHIVES.

4. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "CONSOLIDATED IRON", DEPICTING WATER GRANT PARCELS BEING A MAP OBTAINED FROM THE NYS OFFICE OF GENERAL SERVICES AND ON FILE IN THE CITY OF NEWBURGH OFFICE OF MAP ARCHIVES.

5. REFERENCE IS HEREBY MADE TO A MAP ENTITLED "STATION MAP-TRACK & STRUCTURES, ERIE RAILROAD COMPANY, NEW YORK DIVISION, NEWBURGH BRANCH", DATED OCT 17, 1960.

6. REFERENCE IS HEREBY MADE TO A MAP ENTITLED " RIGHT OF WAY MAP, WEST SHORE RAILROAD:, DATED JUNE 17, 1917.

7. REFERENCE IS HEREBY MADE TO A MAP ENTITLED " TOPOGRAPHIC SURVEY CONSOLIDATED IRON AND METAL SITE" COMPLETED BY LARSEN ENGINEERS IN 2004. TOPOGRAPHY FOR THE SPIT OF LAND JUTTING IN TO THE HUDSON RIVER WAS TAKEN FROM THIS MAP.

FLOOD ZONE NOTE:

PORTIONS OF SUBJECT PARCEL ARE LOCATED IN
1. FLOOD ZONE AE (EL7)
2. OTHER FLOOD AREAS ZONE X &
3. OTHER AREAS ZONE X
AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) ORANGE COUNTY, CITY OF NEWBURGH COMMUNITY NUMBER 360626, MAP NUMBER 36071C0332E, EFFECTIVE DATE AUGUST 3, 2009.

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

THE CONTRACTOR SHALL COMPLY WITH NEW YORK STATE INDUSTRIAL CODE RULE 53 – 48 HOURS PRIOR TO DIGGING CALL DIG SAFE NEW YORK 1-800-962-7962 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.

UNDERGROUND WATERLINE AND ELECTRIC FACILITIES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM UTILITY MARKOUT OF UNKNOWN SOURCE. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED.

THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION.

TOPOGRAPHY SHOWN HEREON WITHIN THE LIMIT LIMIT LINE "LIMITS OF CHAZEN NOV. 2015 TOPO" IS A RESULT OF A FIELD SURVEY COMPLETED BY THE CHAZEN COMPANIES ON NOVEMBER 12, 2015, TOPOGRAPHY OUTSIDE THOSE LIMITS ALSO COMPLETED BY THE CHAZEN COMPANIES ON MARCH 17, 2008. CONTOUR INTERVAL IS ONE FOOT. VERTICAL DATUM IS NAVD88. (CONVERSION TO NGVD 29 VERTICAL DATUM IS +0.91 FEET.)

DEED REFERENCE:

CITY OF NEWBURGH, (TAX SALE)
TO
CITY OF NEWBURGH
APRIL 12, 2005
LIBER 11808 PAGE 1648

TAX PARCEL NUMBER:

CITY OF NEWBURGH, ORANGE COUNTY, NEW YORK
SECTION 40, BLOCK 3, LOT 3

AREA:

8.33 ACRES

CERTIFICATIONS:

TO:
CITY OF NEWBURGH

DRAFT

drawn	CJS
checked	SJA
date	12/02/15
scale	1"=30'
project no.	41548.00
sheet no.	SV1
	1 OF 1

FORMER CONSOLIDATED IRON AND METAL CO. FACILITY

MAP OF TOPOGRAPHIC SURVEY PREPARED FOR CITY OF NEWBURGH

CITY OF NEWBURGH, ORANGE COUNTY, NEW YORK

rev.	date	description

LaBella Powered by partnership.

Hudson Valley Office
21 Fox Street, Suite 201
Poughkeepsie, NY 12601
P: (845) 486-1520
F: (845) 454-4026

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED NOV. 12, 2015 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

FIGURE 2

STEVEN J ALEX, L.S. #50016

6155

Path: B:\GLOBAL\Legacy\Chazen\Projects\41500-41599\41548.00 Newburgh Consolidated Iron site\PRR\2024\Tables and Figures\Figure3_GW Elevations 2024.mxd

Creator: EJO

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2231596.01 **Figure 3** 6/13/2024	Groundwater Elevation Contour Map	Former Consolidated Iron and Metals Site 1 Washington Street, Newburgh, New York

N

0 50 100 Feet

LaBella
Powered by partnership.

Data Source: Orange County 2023, bing.com 2020-2024; LaBella 2015-2024.

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2231596.01 **Figure 4** 6/13/2024	PFAS and 1,4-Dioxane Sampling Results Map	Former Consolidated Iron and Metals Site 1 Washington Street, Newburgh, New York

N

0 50 100 Feet

LaBella
Powered by partnership.

Data Source: Orange County 2023, bing.com 2020-2024; LaBella 2015-2024.

TABLES AND GRAPHS

TABLE 1 CP-51 VOC RESULTS

Sample ID			MW-01		MW-02		MW-03		MW-04		MW-06		MW-07		MW-08		MW-09		FD-01 (DUP)		Trip Blank	
York ID			24D1414-01		24D1414-02		24D1414-03		24D1414-04		24D1414-05		24D1414-06		24D1414-07		24D1414-08		24D1414-09		24D1414-11	
Sampling Date		AWQS*	19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24		19-Apr-24	
Client Matrix			Water		Water		Water		Water		Water		Water		Water		Water		Water		Water	
Compound	**CAS Number**		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
CP-51 VOCS		ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor			10		1		1		1		1		1		1		1		1		1	
1,2,4-Trimethylbenzene	95-63-6	5	**13**		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**14**		0.20	U
1,3,5-Trimethylbenzene	108-67-8	5	3.7		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	4.0		0.20	U
Benzene	71-43-2	1	**1.1**		0.20	U	0.20	U	0.20	U	0.20	U	0.21	J	0.20	U	**3.9**		**1.2**		0.20	U
Ethyl Benzene	100-41-4	5	**8.3**		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**9.7**		0.20	U
Isopropylbenzene	98-82-8	5	4.0		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	4.4		0.20	U
MTBE	1634-04-4	10	0.63		0.37	J	0.20	U	2.2		0.20	U	2.1		0.20	U	0.20	U	0.74		0.20	U
Naphthalene	91-20-3	10	**21**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**24**		1.0	U
n-Butylbenzene	104-51-8	5	0.86		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.95		0.20	U
n-Propylbenzene	103-65-1	5	**9.5**		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**10**		0.20	U
o-Xylene	95-47-6	5	4.5		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**5.1**		0.20	U
p- & m- Xylenes	179601-23-1	5	**6.3**		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**7.1**		0.20	U
p-Isopropyltoluene	99-87-6	5	0.90		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.98		0.20	U
sec-Butylbenzene	135-98-8	5	1.4		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	1.6		0.20	U
tert-Butylbenzene	98-06-6	5	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Toluene	108-88-3	5	0.77		0.21	J	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.90		0.20	U
Xylenes, Total	1330-20-7	5	**11**		0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	**12**		0.20	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

AWQS* = ambient Water Quality standards, Togs v 1.1.1

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

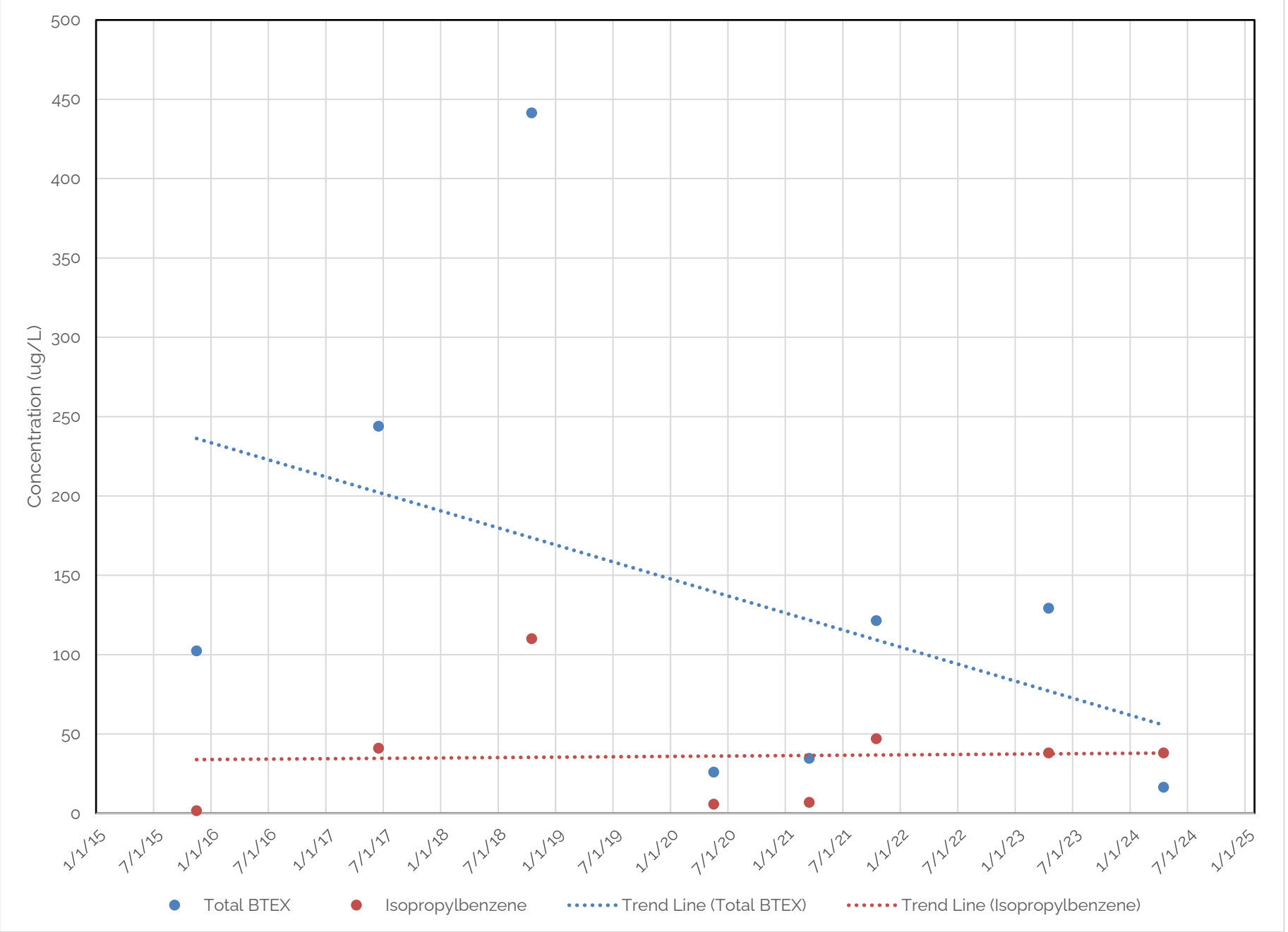
E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

Table 1, Graph 1: Select VOC Concentrations in Well MW-01

Consolidated Iron and Metals Site, Washington Avenue, City of Newburgh, Orange County, New York



LaBella Associates, DPC

June 2024

TABLE 2 CP-51 SVOC Results

Sample ID York ID Sampling Date		AWQS	MW-01 24D1414-01 19-Apr-24		DUP (MW-01) 24D1414-09 19-Apr-24		MW-02 24D1414-02 19-Apr-24		MW-03 24D1414-03 19-Apr-24		MW-04 24D1414-04 19-Apr-24		MW-06 24D1414-05 19-Apr-24		MW-07 24D1414-06 19-Apr-24		MW-08 24D1414-07 19-Apr-24		MW-09 24D1414-08 19-Apr-24	
Compound	**CAS No.**		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
CP-51 SVOCs		ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Acenaphthene	83-32-9	20	0.427		0.492		0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.640		0.0513	U	0.0562	U
Acenaphthylene	208-96-8	~	0.0521	U	0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Anthracene	120-12-7	50	0.0521	U	0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.865		0.0513	U	0.0562	U
Benzo(a)anthracene	56-55-3	0.002	**0.333**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Benzo(a)pyrene	50-32-8	0.002	**0.323**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Benzo(b)fluoranthene	205-99-2	0.002	**0.229**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Benzo(g,h,i)perylene	191-24-2	~	0.365		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Benzo(k)fluoranthene	207-08-9	0.002	**0.458**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Chrysene	218-01-9	0.002	**0.406**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Dibenzo(a,h)anthracene	53-70-3	~	0.552		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Fluoranthene	206-44-0	50	0.0521	U	0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.348		0.0513	U	0.0562	U
Fluorene	86-73-7	50	0.312		0.441		0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.281		0.0513	U	0.0562	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	**0.406**		0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.0562	U	0.0513	U	0.0562	U
Naphthalene	91-20-3	10	0.0521	U	0.226		0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.438		0.0513	U	0.0562	U
Phenanthrene	85-01-8	50	0.0521	U	0.226		0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.843		0.0513	U	0.0562	U
Pyrene	129-00-0	50	0.0521	U	0.0513	U	0.0513	U	0.0521	U	0.0562	U	0.0562	U	0.337		0.0513	U	0.0562	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

~=this indicates that no regulatory limit has been established for this analyte

TABLE 3 Results for Metals

Sample Date	19-Apr-24	
Lead by EPA 6010		
AWQS	25	µg/L

Well ID	**R**	**Q**
MW-01	1.11	U
Dup (MW-01)	1.11	U
MW-02	1.11	U
MW-03	6.75	
MW-04	5.49	
MW-05	Not Sampled	
MW-06	1.55	
MW-07	8.57	
MW-08	**31.6**	
MW-09	1.11	U
MW-10	Not Sampled	

Sample Date	19-Apr-24	
Arsenic by EPA 6010		
AWQS	25	µg/L

Well ID	**R**	**Q**
MW-02	22.5	

NOTES:

Regulatory Exceedences bold and shaded

NS = No sample

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

TABLE 4 - PFAS and 1,4-Dioxane Results

Sample ID York ID Sampling Date	AWQS	MW-01 24D1414-01 19-Apr-24		DUP (MW-01) 19-Apr-24		MW-02 24D1414-02 19-Apr-24		MW-03 24D1414-03 19-Apr-24		MW-04 24D1414-04 19-Apr-24		MW-06 24D1414-05 19-Apr-24		MW-07 24D1414-06 19-Apr-24		MW-08 24D1414-07 19-Apr-24		MW-09 24D1414-08 19-Apr-24		Field Blank 24D1414-10 19-Apr-24	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
	ng/L	ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L		ng/L	
Perfluorobutanesulfonic Acid (PFBS)	~	3.45		3.43		9.33		1.55		12.5		0.926	U	5.93		0.926	U	5.21		0.926	U
Perfluorohexanoic Acis (PFHxA)	~	11.1		10.7		12.2		0.926	U	9.00		10.1		6.02		1.21		6.78		0.926	U
Perfluoroheptanoic Acid (PFHpA)	~	10.3		10.7		14.1		0.926	U	6.29		7.73		7.22		1.90		3.94		0.926	U
Perfluorohexanesulfonic Acid (PFHxS)	~	13.4		13.5		14.7		1.18		7.08		3.54		11.6		0.926	U	3.68		0.926	U
Perfluorooctanoic Acid (PFOA)	6.7	**10.2**		**10.3**		**18.7**		1.94		5.75		4.73		**23.9**		1.66		**6.87**		0.926	U
Perfluorooctanesulfonic Acid (PFOS)	2.7	**62.1**		**55.9**		**25.5**		**2.91**		1.16		**18.3**		**58.5**		**4.71**		**14.8**		0.926	U
Perfluorononanoic Acid (PFNA)	~	2.11		2.67		1.32		0.926	U	0.926	U	0.926	U	5.33		0.926	U	0.926	U	0.926	U
Perfluorodecanoic Acid (PFDA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluoroundecanoic Acid (PFUnA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluorododecanoic Acid (PFDoA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluorotridecanoic Acid (PFTrDA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluorotetradecanoic Acid (PFTA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
N-MeFOSAA	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
N-EtFOSAA	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluoropentanoic Acid (PFPeA)	~	12.4		12.2		15.4		0.926	U	10.9		17.5		9.43		1.75		8.18		0.926	U
Perfluoro-1-octanesulfonamide (FOSA)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluoro-1-heptanesulfonic Acid (PFHpS)	~	0.926	U	0.926	U	1.70		0.926	U	0.926	U	0.926	U	3.18		0.926	U	0.926	U	0.926	U
Perfluoro-1-decanesulfonic Acid (PFDS)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	~	2.31	U	2.31	U	2.31	U	2.31	U	2.31	U	2.31	U	2.39		2.31	U	2.31	U	2.31	U
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	~	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U	0.926	U
Perfluoro-n-butanoic Acid (PFBA)	~	10.1		9.76		11.4		2.65		13.2		9.13		8.70		2.87		7.45		0.926	U
	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
1,4-Dioxane	1	0.300	U	0.300	U	0.752		**4.32**		**4.32**		0.300	U	0.768		0.300	U	0.300	U	N/A	

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

~=this indicates that no regulatory limit has been established for this analyte

APPENDIX A

Field Data Sheets, Site Inspection Forms and Photo Log

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-01 0424	Sample Time:	9:20	Sample Matrix *(circle)* :	
Well ID:	MW-01	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 22.46

Depth to Water: 13.17

Water Column Height: ***(A)*** 9.29

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method: Low Flow - Peristaltic
Start Date: 4/19/2024
Start Time: 8:54
Stop Time: 9:19
Purge Rate (gpm): 0.080
Elapsed Time (min): 25
Well Vol. Purged (#): 0.33
Purge Vol. (gal): 2
Well went dry? **No** Yes
Conditions: No Odor **Odor**
Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	8:54	13.17	8.7	1411	971	clear	0.9165	wx. petrol.	2.35	7.00	-140.2	
0.40	8:59	13.39	8.8	1405	970	0.64	0.9100	wx. petrol.	0.80	6.88	-167.6	
0.80	9:04	13.42	8.8	1405	970	0.75	0.9100	wx. petrol.	0.53	6.88	-141.3	
1.20	9:09	13.46	8.8	1405	970	0.70	0.9165	wx. petrol.	0.40	6.86	-144.2	
1.60	9:14	13.48	8.7	1404	969	0.67	0.9100	wx. petrol.	0.36	6.89	-146.3	
2.00	9:19	13.52	8.7	1403	968	0.66	0.9100	wx. petrol.	0.33	6.92	-148.1	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly Cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(°F): 50ish

Notes: MS/MSD set also collected here.

wx. Petrol. = weathered petroleum

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: **Duplicate** Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-02 0424	Sample Time:	10:56	Sample Matrix *(circle)* :	
Well ID:	MW-02	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 19.63

Depth to Water: 11.80

Water Column Height: ***(A)*** 7.83

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic		
Start Date:	4/19/2024		
Start Time:	10:35		
Stop Time:	10:55		
Purge Rate (gpm):	0.070		
Elapsed Time (min):	20		
Well Vol. Purged (#):	0.27		
Purge Vol. (gal):	1.40		
Well went dry?	**No**	Yes	
Conditions:	**No Odor**		Odor
	Clear	Slightly-Turbid	Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm^{c}	uS/cm	NTU	g/L		mg/L		mV	
0.00	10:35	11.80	8.2	1352	918	slight	0.8775	none	3.01	6.62	-109.3	
0.35	10:40	11.92	8.1	1361	923	5.39	0.8840	none	2.24	6.57	-120.5	
0.70	10:45	11.92	8.1	1389	942	5.43	0.9035	none	1.93	6.65	-126.9	
1.05	10:50	11.92	8.2	1408	956	6.60	0.9165	none	1.75	6.54	-130.1	
1.40	10:55	11.92	8.2	1420	964	5.74	0.9230	none	1.66	6.51	-132.5	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(^{o}F): 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead, Total Arsenic	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-03 0424	Sample Time:	13:28	Sample Matrix *(circle)* :	
Well ID:	MW-03	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 19.50

Depth to Water: 11.29

Water Column Height: ***(A)*** 8.21

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic		
Start Date:	4/19/2024		
Start Time:	13:07		
Stop Time:	13:27		
Purge Rate (gpm):	0.070		
Elapsed Time (min):	20		
Well Vol. Purged (#):	0.26		
Purge Vol. (gal):	1.4		
Well went dry?	**No**	Yes	
Conditions:	**No Odor**	Odor	
	Clear	Slightly-Turbid	Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	13:07	11.29	8.8	515.7	347.8	clear	0.3250	none	3.57	7.26	-120.8	
0.35	13:12	11.76	8.0	458.8	309.6	2.03	0.2980	none	0.94	7.13	-135.0	
0.70	13:17	11.88	8.0	456.5	308.7	2.13	0.2964	none	0.74	7.14	-144.6	
1.05	13:22	11.91	7.9	456.5	307.6	2.00	0.2970	none	0.68	7.14	-150.4	
1.40	13:27	11.91	7.9	457.5	307.9	1.95	0.2977	none	0.65	7.11	-154.9	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Partly Cloudy Barometric Pres.: Wind: Breezy (10-15 mph from NE)

Air Temp.(°F): 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-04 0424	Sample Time:	15:47	Sample Matrix *(circle)* :	
Well ID:	MW-04	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 18.45

Depth to Water: 9.86

Water Column Height: ***(A)*** 8.59

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic		
Start Date:	4/19/2024		
Start Time:	15:31		
Stop Time:	15:46		
Purge Rate (gpm):	0.070		
Elapsed Time (min):	15		
Well Vol. Purged (#):	0.19		
Purge Vol. (gal):	1.05		
Well went dry?	**No**	Yes	
Conditions:	**No Odor**		Odor
	Clear	Slightly-Turbid	Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm^c	uS/cm	NTU	g/L		mg/L		mV	
0.00	15:31	9.86	8.3	1144	779	moderate	0.7475	none	3.51	7.05	-94.4	
0.35	15:36	10.20	7.9	1161	783	clear	0.7540	none	0.70	6.99	-109.8	
0.70	15:41	10.26	8.0	1154	778	11.09	0.7475	none	0.64	7.00	-119.4	
1.05	15:46	10.27	7.9	1148	774	9.07	0.7475	none	0.58	7.01	-126.9	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(^{o}F): mid 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-06 0424	Sample Time:	17:27	Sample Matrix *(circle)* :	
Well ID:	MW-06	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC

Depth to Bottom: 16.90

Depth to Water: 9.36

Water Column Height: ***(A)*** 7.54

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)*** NA

Gal. to be Purged: ***(AxBxC)*** NA

(B) Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic
Start Date:	4/19/2024
Start Time:	17:11
Stop Time:	17:26
Purge Rate (gpm):	0.070
Elapsed Time (min):	15
Well Vol. Purged (#):	0.21
Purge Vol. (gal):	1.05

Well went dry? **No** Yes

Conditions: **No Odor** Odor

Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	17:11	9.36	8.1	477.5	322.5	clear	0.3100	none	8.24	7.20	39.4	
0.35	17:16	9.61	7.6	477.3	318.6	1.90	0.3100	none	6.40	7.31	41.6	
0.70	17:21	9.76	7.6	476.0	317.4	0.82	0.3094	none	6.25	7.35	43.4	
1.05	17:26	9.88	7.5	476.9	317.9	0.54	0.3100	none	6.22	7.35	45.4	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(°F): mid 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-07 0424	Sample Time:	14:35	Sample Matrix *(circle)* :	
Well ID:	MW-07	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 18.52

Depth to Water: 8.86

Water Column Height: ***(A)*** 9.66

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic		
Start Date:	4/19/2024		
Start Time:	14:19		
Stop Time:	14:34		
Purge Rate (gpm):	0.070		
Elapsed Time (min):	15		
Well Vol. Purged (#):	0.17		
Purge Vol. (gal):	1.05		
Well went dry?	**No**	Yes	
Conditions:	**No Odor**		Odor
	Clear	Slightly-Turbid	Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	14:19	8.86	8.1	760	513	slight	0.4940	none	0.79	7.26	-136.4	
0.35	14:24	9.43	7.3	758	502	11.63	0.4940	none	0.40	7.34	-155.5	
0.70	14:29	9.66	7.2	758	501	10.82	0.4940	none	0.37	7.34	-161.5	
1.05	14:34	9.68	7.3	765	506	7.29	0.4940	none	0.34	7.34	-162.9	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(°F): mid 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-08 0424	Sample Time:	16:40	Sample Matrix *(circle)* :	
Well ID:	MW-08	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 17.60

Depth to Water: 9.27

Water Column Height: ***(A)*** 8.33

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method: Low Flow - Peristaltic

Start Date: 4/19/2024

Start Time: 16:19

Stop Time: 16:39

Purge Rate (gpm): 0.070

Elapsed Time (min): 20

Well Vol. Purged (#): 0.26

Purge Vol. (gal): 1.40

Well went dry? **No** Yes

Conditions: **No Odor** Odor

Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	16:19	9.27	6.7	495.2	320.4	moderate	0.3179	none	4.00	7.33	-5.0	
0.35	16:24	9.70	6.5	477.8	309.1	13.1	0.3107	none	0.74	7.05	9.4	
0.70	16:29	9.90	6.6	475.9	308.3	13.0	0.3094	none	0.46	7.00	15.1	
1.05	16:34	9.98	6.5	475.4	307.7	12.3	0.3087	none	0.43	7.00	18.4	
1.40	16:39	10.02	6.5	475.4	307.7	11.6	0.3087	none	0.40	6.97	21.0	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Mostly cloudy Barometric Pres.: Wind: Windy (10-20 mph from N-NE)

Air Temp.(°F): mid 50s

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

LaBella Associates, DPC

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	CIM-MW-09 0424	Sample Time:	12:34	Sample Matrix *(circle)* :	
Well ID:	MW-09	Sample Date:	4/19/2024	***Groundwater***	Soil
Project Name:	Consolidated Iron	Sample Tech(s):	Orlowski	Surface Water	Air
Sample Location:	Newburgh, NY	Project and Task #:	2231596.01	Drinking Water	Other:
		Project Manager:	Orlowski		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC ***(B)***

Depth to Bottom: 20.88

Depth to Water: 12.20

Water Column Height: ***(A)*** 8.68

(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

NA

Gal. to be Purged: ***(AxBxC)***

NA

Pipe Width	Gal/Foot
1.0"	0.041
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	**0.653**
6.0"	1.469
8.0"	2.611

Purge Method:	Low Flow - Peristaltic		
Start Date:	4/19/2024		
Start Time:	12:13		
Stop Time:	12:33		
Purge Rate (gpm):	0.070		
Elapsed Time (min):	20		
Well Vol. Purged (#):	0.25		
Purge Vol. (gal):	1.40		
Well went dry?	**No**	Yes	
Conditions:	**No Odor**		Odor
	Clear	Slightly-Turbid	Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Turbidity	TDS	Odor	DO	pH	ORP	
gal		ft	deg C	uS/cm[c]	uS/cm	NTU	g/L		mg/L		mV	
0.00	12:13	12.20				clear		none				
0.35	12:18	12.29	11.6	1085	808	clear	0.7020	none	0.96	7.08	-68.9	
0.70	12:23	12.31	11.9	1047	784	clear	0.6825	none	0.45	7.14	-103.7	
1.05	12:28	12.31	11.9	1047	784	0.84	0.6825	none	0.41	7.18	-112.5	
1.40	12:33	12.31	11.8	1047	783	0.93	0.6825	none	0.38	7.19	-117.8	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite Sample Depth(ft):

Weather: Partly cloudy Barometric Pres.: Wind: Breezy (10-15 mph from NE)

Air Temp.(°F): 60ish

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York Analytical	CP-51 VOCs, CP-51 SVOCs,	Standard
	PFAS, 1,4-Dioxane,	
	Total Lead	

QA/QC: Duplicate Equip. Blank Field Blank **Trip Blank**

CONSOLIDATED IRON AND METAL SITE
SITE MANAGEMENT PLAN SITE WIDE INSPECTION FORM

Date: 4/19/2024

Inspection Personnel: Eric J. Orlowski, PG

Weather Conditions: Cloudy, 50s, windy (10-20 mph from N-NE)

Subsurface soils are contaminated by cadmium, lead, total PCBs and VOCs (BTEX-MTBE) at levels exceeding restricted residential Soil Cleanup Objectives (SCOs). Currently, protection of public health and the environment to contaminated media is provided by an engineered cover system consisting of between 3.5 and more than 10 feet of clean fill underlain by a demarcation barrier. The location of the cover system is depicted on Figure 1 of the Site Management Plan (SMP). Shoreline stabilization measures have been employed to limit the potential for erosion.

Cover System Inspection

Has the overall condition of the cover system changed from the previous inspection (if first inspection, respond with N/A)? Yes____ No_X_

If Yes, provide detail and identify on Site Plan

Is soil cover system adequately vegetated to prevent erosion? Yes_X_ No___

If No, identify locations and provide detail on attached Site Plan

CONSOLIDATED IRON AND METAL SITE
SITE MANAGEMENT PLAN SITE WIDE INSPECTION FORM

Is there evidence that the soil cover system has been eroded by wind, water and/or planned or unplanned construction activities? Yes____ No_X_

If Yes, identify locations and provide detail on attached Site Plan

Is there evidence that the soil cover system has been breached (i.e., areas where surface appears patched, signs of excavation) Yes____ No_X_

If Yes, identify locations and provide detail on attached Site Plan

Is there evidence that the soil cover system has been breached intentionally by planned site activities? Yes____ No_X_
(i.e., areas where surface appears patched, signs of excavation)

If Yes, identify locations and provide detail on attached Site Plan

Is there evidence that the shoreline stabilization measures have been breached (i.e., areas where shoreline appears to be eroded our unstabile)? Yes____ No_X_

If Yes, identify locations and provide detail on attached Site Plan

CONSOLIDATED IRON AND METAL SITE
SITE MANAGEMENT PLAN SITE WIDE INSPECTION FORM

Have photographs been taken of the cover system and shoreline for inclusion in the site inspection report. Yes_X_ No___

If No, give reason

Are the existing groundwater monitoring wells intact and accessible? Yes_X_ No___
If No, please describe the condition

Were the groundwater monitoring wells sampled during this inspection? Yes_X_ No___
If No, why and when is the next scheduled monitoring well sampling event?

Are there any violations of the use restrictions observed Yes____ No_X_
(e.g., non-community vegetable gardens)?Are the remedy components post-construction, such as institutional controls, and that shall also

Has there been any change in the use restrictions on the site or Yes____ No_X_
the necessary provisions for ensuring that the easement covenant remains in place and is effective?
If Yes, list and/or identify

CONSOLIDATED IRON AND METAL SITE
SITE MANAGEMENT PLAN SITE WIDE INSPECTION FORM

Are there any changes to site operations and maintenance requirements for the components of the remedy? Yes____ No_X_

If Yes, please describe

Path: B:\GLOBAL\Legacy\Chazen\Projects\41500-41599\41548.00 Newburgh Consolidated Iron site\PRR\2024\Attachments\Fig B1_Photo Locs 2024.mxd

Creator: EJO

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:
2231596.01 **Figure B-1** 6/6/2024	Site Photo Location Map	Former Consolidated Iron and Metals Site 1 Washington Street, Newburgh, New York

N

0 50 100 Feet

LaBella
Powered by partnership.

Data Source: Orange County 2023, bing.com 2020-2024; LaBella 2015-2024.

Photo #1
Description: View of northern field area of Site, facing east from NW entrance.

Photo #2
Description: View of gravel walking path and western Site area, facing south.

Photo #3
Description: View of monitoring well MW-09 in sewer pumping station, facing south.

Photo #4
Description: View of site field area, facing southeast toward southern end of site.

Photo #5
Description: View of well MW-02 in central area of site, with groundwater sampling apparatus in place. View faces southeast.

Photo #6
Description: View of northern site area, facing west-northwest.

Photo #7
Description: View of eastern Site area, facing southeast, and rip-rap erosion blanket installed along Hudson River frontage.

Photo #8
Description: View of northwestern Site area and secured site access gate.

APPENDIX B

IC/EC Certification Forms for 2024

Enclosure 2

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

Site Details **Box 1**

Site No. 336055

Site Name Consolidated Iron & Metal

Site Address: 1 Washington Street Zip Code: 12550
City/Town: Newburgh
County: Orange
Site Acreage: 8.330

Reporting Period: May 16, 2023 to May 16, 2024

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 336055

Description of Institutional Controls

Parcel	Owner	Institutional Control
40-3-3	City of Newburgh	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan Landuse Restriction

1. Groundwater Use restriction - Groundwater must be treated before use.

2. Land Use - Land may be used for no use more stringent than restricted residential.

3. A site management plan is in place which includes (a) a soil management plan for soils excavated below the demarcation layer; (b) a groundwater monitoring plan to monitor the levels of VOC, Cadmium, and lead present in the groundwater; (c) and a vapor intrusion evaluation and, if needed, the installation of a vapor mitigation system as a prerequisite for any new construction.

Description of Engineering Controls

Parcel	Engineering Control
40-3-3	Cover System Fencing/Access Control Subsurface Barriers

Periodic Review Report (PRR) Certification Statements

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

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

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted e

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 336055

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Mike Neppl - Acting City Manager at (City Hall) 83 Broadway Newburgh, NY 12550,
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

Date 6/12/24

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Christopher Lapine (print name) at LaBella Associates, DPC, 21 Fox Street, Poughkeepsie, NY 12601 (print business address)

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

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		6/13/2024

APPENDIX C

April 2024 Laboratory Analytical Report

Technical Report

prepared for:

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 05/01/2024
Client Project ID: 2231596.01 Consolidated Iron
York Project (SDG) No.: 24D1414

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/01/2024
Client Project ID: 2231596.01 Consolidated Iron
York Project (SDG) No.: 24D1414

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 22, 2024 and listed below. The project was identified as your project: **2231596.01 Consolidated Iron**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24D1414-01	CIM-MW-01 0424	Ground Water	04/19/2024	04/22/2024
24D1414-02	CIM-MW-02 0424	Ground Water	04/19/2024	04/22/2024
24D1414-03	CIM-MW-03 0424	Ground Water	04/19/2024	04/22/2024
24D1414-04	CIM-MW-04 0424	Ground Water	04/19/2024	04/22/2024
24D1414-05	CIM-MW-06 0424	Ground Water	04/19/2024	04/22/2024
24D1414-06	CIM-MW-07 0424	Ground Water	04/19/2024	04/22/2024
24D1414-07	CIM-MW-08 0424	Ground Water	04/19/2024	04/22/2024
24D1414-08	CIM-MW-09 0424	Ground Water	04/19/2024	04/22/2024
24D1414-09	CIM-FD-001 0424	Ground Water	04/19/2024	04/22/2024
24D1414-10	CIM-FB-001 0424	Ground Water	04/19/2024	04/22/2024
24D1414-11	Trip Blank 0424	Water	04/19/2024	04/22/2024

General Notes for York Project (SDG) No.: 24D1414

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 05/01/2024

Sample Information

Client Sample ID: CIM-MW-01 0424 **York Sample ID:** 24D1414-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:20 am	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**13**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
108-67-8	**1,3,5-Trimethylbenzene**	**3.7**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
71-43-2	**Benzene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-41-4	**Ethyl Benzene**	**8.3**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
98-82-8	**Isopropylbenzene**	**4.0**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.63**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
91-20-3	**Naphthalene**	**21**	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
104-51-8	**n-Butylbenzene**	**0.86**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
103-65-1	**n-Propylbenzene**	**9.5**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
95-47-6	**o-Xylene**	**4.5**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	**p- & m- Xylenes**	**6.3**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	**p-Isopropyltoluene**	**0.90**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
135-98-8	**sec-Butylbenzene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	**Toluene**	**0.77**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1330-20-7	**Xylenes, Total**	**11**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 15:11	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.3 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: **EXT-EM**

Sample Information

Client Sample ID: CIM-MW-01 0424 **York Sample ID:** 24D1414-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:20 am	04/22/2024

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.427**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	Anthracene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
56-55-3	**Benzo(a)anthracene**	**0.333**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
50-32-8	**Benzo(a)pyrene**	**0.323**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
205-99-2	**Benzo(b)fluoranthene**	**0.229**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
191-24-2	**Benzo(g,h,i)perylene**	**0.365**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
207-08-9	**Benzo(k)fluoranthene**	**0.458**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	**Chrysene**	**0.406**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
53-70-3	**Dibenzo(a,h)anthracene**	**0.552**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	**Fluorene**	**0.312**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.406**		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
91-20-3	Naphthalene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	Pyrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D	04/25/2024 08:03	04/26/2024 09:36	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*69.1 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*64.9 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*42.4 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/26/2024 08:39	04/26/2024 16:07	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: CIM-MW-01 0424 **York Sample ID:** 24D1414-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:20 am	04/22/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*49.2 %*			*36.6-118*					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**3.45**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**11.1**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**10.3**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**13.4**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**10.2**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**62.1**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
375-95-1	*** Perfluorononanoic acid (PFNA)**	**2.11**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**12.4**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG

Sample Information

Client Sample ID: CIM-MW-01 0424 **York Sample ID:** 24D1414-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:20 am	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**10.1**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:37	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*75.8 %*	*25-150*
Surrogate: M5PFHxA	*77.0 %*	*25-150*
Surrogate: M4PFHpA	*68.7 %*	*25-150*
Surrogate: M3PFHxS	*96.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.1 %*	*25-150*
Surrogate: M6PFDA	*74.8 %*	*25-150*
Surrogate: M7PFUdA	*42.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*40.3 %*	*25-150*
Surrogate: M2PFTeDA	*12.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*66.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*11.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*44.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*45.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*86.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*68.0 %*	*25-200*
Surrogate: M9PFNA	*82.4 %*	*25-150*

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications:	04/29/2024 07:57 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/30/2024 12:06	AJL

Sample Information

Client Sample ID: CIM-MW-02 0424 **York Sample ID:** 24D1414-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 10:56 am	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	**Toluene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 16:49	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.2 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: CIM-MW-02 0424 **York Sample ID:** 24D1414-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 10:56 am	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
208-96-8	Acenaphthylene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	Anthracene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
56-55-3	Benzo(a)anthracene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
191-24-2	Benzo(g,h,i)perylene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
206-44-0	Fluoranthene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	Fluorene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
193-39-5	Indeno(1,2,3-cd)pyrene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	Naphthalene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	Pyrene	ND	HT-PR	ug/L	0.0513	0.0513	1	EPA 8270D	04/30/2024 08:05	04/30/2024 14:16	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*53.5 %*	HT-PR	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*41.5 %*	HT-PR	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*34.2 %*	HT-PR	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.752**		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/24/2024 22:04	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

Sample Information

Client Sample ID: CIM-MW-02 0424 **York Sample ID:** 24D1414-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 10:56 am	04/22/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.4 %*		*36.6-118*						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**9.33**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**12.2**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**14.1**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**14.7**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**18.7**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**25.5**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
375-95-1	*** Perfluorononanoic acid (PFNA)**	**1.32**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**15.4**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**1.70**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG

Sample Information

Client Sample ID: CIM-MW-02 0424 **York Sample ID:** 24D1414-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 10:56 am	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**11.4**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 17:50	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*57.2 %*	*25-150*
Surrogate: M5PFHxA	*56.3 %*	*25-150*
Surrogate: M4PFHpA	*46.1 %*	*25-150*
Surrogate: M3PFHxS	*77.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.9 %*	*25-150*
Surrogate: M6PFDA	*69.0 %*	*25-150*
Surrogate: M7PFUdA	*44.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*45.1 %*	*25-150*
Surrogate: M2PFTeDA	*17.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*58.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*58.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*58.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*81.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*90.0 %*	*25-200*
Surrogate: M9PFNA	*70.1 %*	*25-150*

Arsenic by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**22.5**		ug/L	1.11	1	EPA 6020B Certifications:	04/29/2024 07:57 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	04/30/2024 12:20	AJL

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: CIM-MW-02 0424 **York Sample ID:** 24D1414-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 10:56 am	04/22/2024

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:20	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: CIM-MW-03 0424 **York Sample ID:** 24D1414-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 1:28 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:14	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: CIM-MW-03 0424 **York Sample ID:** 24D1414-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 1:28 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*		*65-135*							
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*		*86-118*							
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*		*81-114*							

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
120-12-7	Anthracene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
218-01-9	Chrysene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
206-44-0	Fluoranthene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
86-73-7	Fluorene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
91-20-3	Naphthalene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
85-01-8	Phenanthrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
129-00-0	Pyrene	ND		ug/L	0.0521	0.0521	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 10:41	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**							
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*41.7 %*	S-08	*50.2-113*							

Sample Information

Client Sample ID: CIM-MW-03 0424 **York Sample ID:** 24D1414-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 1:28 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*45.8 %*			*39.9-105*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*53.7 %*			*30.7-106*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**4.32**		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/24/2024 22:21	SS
							Certifications: NJDEP-CT005,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*37.9 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**1.55**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**1.18**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**1.94**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**2.91**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG

Sample Information

Client Sample ID: CIM-MW-03 0424 **York Sample ID:** 24D1414-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 1:28 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**2.65**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:03	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*70.5 %*	*25-150*
Surrogate: M5PFHxA	*75.5 %*	*25-150*
Surrogate: M4PFHpA	*57.4 %*	*25-150*
Surrogate: M3PFHxS	*96.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.4 %*	*25-150*
Surrogate: M6PFDA	*81.1 %*	*25-150*
Surrogate: M7PFUdA	*52.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.1 %*	*25-150*
Surrogate: M2PFTeDA	*24.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*82.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*63.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*60.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*98.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*99.3 %*	*25-200*
Surrogate: M9PFNA	*84.8 %*	*25-150*

Sample Information

Client Sample ID: CIM-MW-03 0424 **York Sample ID:** 24D1414-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 1:28 pm	04/22/2024

Lead by EPA 6020 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**6.75**		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:23	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CIM-MW-04 0424 **York Sample ID:** 24D1414-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:47 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**2.2**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 17:39	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: CIM-MW-04 0424 **York Sample ID:** 24D1414-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:47 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 17:39	BMC
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 17:39	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.8 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
120-12-7	Anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
218-01-9	Chrysene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
206-44-0	Fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
86-73-7	Fluorene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
91-20-3	Naphthalene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS
85-01-8	Phenanthrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS

Sample Information

Client Sample ID: CIM-MW-04 0424 **York Sample ID:** 24D1414-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:47 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:14	SS

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*68.3 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*80.0 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*76.9 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**4.32**		ug/L	0.300	1	EPA 8270E SIM Certifications:	04/23/2024 08:07 NJDEP-CT005,NELAC-NY10854	04/24/2024 22:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.4 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**12.5**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**9.00**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**6.29**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**7.08**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**5.75**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1.16**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG

Sample Information

Client Sample ID: CIM-MW-04 0424 **York Sample ID:** 24D1414-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:47 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**10.9**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**13.2**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:16	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*71.6 %*	*25-150*
Surrogate: M5PFHxA	*76.5 %*	*25-150*
Surrogate: M4PFHpA	*58.6 %*	*25-150*
Surrogate: M3PFHxS	*90.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.1 %*	*25-150*
Surrogate: M6PFDA	*83.0 %*	*25-150*
Surrogate: M7PFUdA	*50.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*43.2 %*	*25-150*
Surrogate: M2PFTeDA	*15.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.9 %*	*10-150*

Sample Information

Client Sample ID: CIM-MW-04 0424 **York Sample ID:** 24D1414-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:47 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	*57.7 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*60.9 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*63.1 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*85.9 %*		*25-200*						
	Surrogate: M9PFNA	*85.3 %*		*25-150*						

Lead by EPA 6020

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**5.49**		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:27	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CIM-MW-06 0424 **York Sample ID:** 24D1414-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 5:27 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:04	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: CIM-MW-06 0424 **York Sample ID:** 24D1414-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 5:27 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/24/2024 18:04	BMC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/24/2024 18:04	BMC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:04	BMC
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:04	BMC
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:04	BMC
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:04	BMC
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:04	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.1 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
208-96-8	Acenaphthylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
120-12-7	Anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
218-01-9	Chrysene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 11:48	SS

Sample Information

Client Sample ID: CIM-MW-06 0424 **York Sample ID:** 24D1414-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 5:27 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	Fluorene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	Naphthalene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	Pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 11:48	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*94.8 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*88.1 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*73.6 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/25/2024 12:55	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*58.8 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**10.1**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**7.73**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**3.54**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**4.73**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**18.3**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:29	JTG
							Certifications:			

Sample Information

Client Sample ID: CIM-MW-06 0424 **York Sample ID:** 24D1414-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 5:27 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**17.5**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**9.13**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:29	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*66.7 %*	*25-150*
Surrogate: M5PFHxA	*70.8 %*	*25-150*
Surrogate: M4PFHpA	*59.6 %*	*25-150*
Surrogate: M3PFHxS	*81.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4 %*	*25-150*
Surrogate: M6PFDA	*70.5 %*	*25-150*
Surrogate: M7PFUdA	*45.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*46.6 %*	*25-150*
Surrogate: M2PFTeDA	*21.8 %*	*10-150*

Sample Information

Client Sample ID: CIM-MW-06 0424 **York Sample ID:** 24D1414-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 5:27 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*51.2 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*52.9 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*75.1 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*77.9 %*		*25-200*						
	Surrogate: M9PFNA	*75.8 %*		*25-150*						

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**1.55**		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:30	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CIM-MW-07 0424 **York Sample ID:** 24D1414-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 2:35 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	**Benzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: CIM-MW-07 0424 **York Sample ID:** 24D1414-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 2:35 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**2.1**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 18:28	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.6 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.640**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	**Anthracene**	**0.865**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: CIM-MW-07 0424 **York Sample ID:** 24D1414-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 2:35 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
206-44-0	**Fluoranthene**	**0.348**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	**Fluorene**	**0.281**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	**Naphthalene**	**0.438**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
85-01-8	**Phenanthrene**	**0.843**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	**Pyrene**	**0.337**		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:21	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*65.5 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.0 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.5 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.768**		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/25/2024 13:12	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.4 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**5.93**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:42	JTG
							Certifications:			
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**6.02**		ng/L	0.926	1	EPA 537m	04/27/2024 17:18	04/30/2024 18:42	JTG
							Certifications:			

Sample Information

Client Sample ID: CIM-MW-07 0424 **York Sample ID:** 24D1414-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 2:35 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**7.22**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**11.6**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**23.9**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**58.5**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
375-95-1	* **Perfluorononanoic acid (PFNA)**	**5.33**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV -L, PF-LCS -L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**9.43**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.18**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**2.39**		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.63	5	EPA 537m Certifications:	04/27/2024 17:18	05/01/2024 12:18	JTG
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**8.70**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:42	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*96.2 %*	*25-150*
Surrogate: M5PFHxA	*68.2 %*	*25-150*
Surrogate: M4PFHpA	*43.3 %*	*25-150*

Sample Information

Client Sample ID: CIM-MW-07 0424 **York Sample ID:** 24D1414-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 2:35 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*124 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.6 %*			*25-150*					
	Surrogate: M6PFDA	*97.6 %*			*25-150*					
	Surrogate: M7PFUdA	*63.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.0 %*			*25-150*					
	Surrogate: M2PFTeDA	*29.7 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*95.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*110 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.1 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*83.8 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*105 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*180 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*87.2 %*			*25-200*					
	Surrogate: M9PFNA	*87.8 %*			*25-150*					

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**8.57**		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:40	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CIM-MW-08 0424 **York Sample ID:** 24D1414-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 4:40 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: CIM-MW-08 0424 **York Sample ID:** 24D1414-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 4:40 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D Certifications:	04/24/2024 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	04/24/2024 18:53	BMC
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/24/2024 18:53	BMC
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	04/24/2024 18:53	BMC
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	04/24/2024 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	04/24/2024 18:53	BMC

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.5 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 12:53	SS

Sample Information

Client Sample ID: CIM-MW-08 0424 **York Sample ID:** 24D1414-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 4:40 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 12:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*74.4 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*87.2 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*84.1 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/25/2024 13:29	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.1 %*	*36.6-118*

Sample Information

Client Sample ID: CIM-MW-08 0424 **York Sample ID:** 24D1414-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 4:40 pm	04/22/2024

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**1.21**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**1.90**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1.66**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**4.71**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**1.75**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**2.87**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 18:54	JTG

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: CIM-MW-08 0424 **York Sample ID:** 24D1414-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 4:40 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	*68.3 %*			*25-150*					
	Surrogate: M5PFHxA	*74.2 %*			*25-150*					
	Surrogate: M4PFHpA	*56.3 %*			*25-150*					
	Surrogate: M3PFHxS	*87.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.1 %*			*25-150*					
	Surrogate: M6PFDA	*75.1 %*			*25-150*					
	Surrogate: M7PFUdA	*48.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.1 %*			*25-150*					
	Surrogate: M2PFTeDA	*22.8 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*23.5 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*56.4 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*57.9 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*81.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*78.2 %*			*25-200*					
	Surrogate: M9PFNA	*82.1 %*			*25-150*					

Lead by EPA 6020

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**31.6**		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:44	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: CIM-MW-09 0424 **York Sample ID:** 24D1414-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 12:34 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: CIM-MW-09 0424 **York Sample ID:** 24D1414-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 12:34 pm	04/22/2024

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	**Benzene**	**3.9**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:18	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.2 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:27	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
208-96-8	Acenaphthylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:27	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: CIM-MW-09 0424 **York Sample ID:** 24D1414-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 12:34 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
218-01-9	Chrysene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
206-44-0	Fluoranthene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
86-73-7	Fluorene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
91-20-3	Naphthalene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
85-01-8	Phenanthrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS
129-00-0	Pyrene	ND		ug/L	0.0562	0.0562	1	EPA 8270D Certifications:	04/25/2024 08:03 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/26/2024 13:27	SS

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.2 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.2 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*58.7 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM Certifications:	04/23/2024 08:07 NJDEP-CT005,NELAC-NY10854	04/25/2024 13:47	SS

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*54.2 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **CIM-MW-09 0424** **York Sample ID:** **24D1414-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 12:34 pm	04/22/2024

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**5.21**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**6.78**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.94**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**3.68**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**6.87**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**14.8**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L, PF-LCS-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**8.18**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**7.45**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:07	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*72.4 %*	*25-150*

Sample Information

Client Sample ID: CIM-MW-09 0424 **York Sample ID:** 24D1414-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 12:34 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*77.7 %*			*25-150*					
	Surrogate: M4PFHpA	*63.2 %*			*25-150*					
	Surrogate: M3PFHxS	*83.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*92.1 %*			*25-150*					
	Surrogate: M6PFDA	*77.3 %*			*25-150*					
	Surrogate: M7PFUdA	*47.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.3 %*			*25-150*					
	Surrogate: M2PFTeDA	*22.7 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*82.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*57.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*61.6 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*89.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*88.9 %*			*25-200*					
	Surrogate: M9PFNA	*84.7 %*			*25-150*					

Lead by EPA 6020

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B	04/29/2024 07:57	04/30/2024 12:47	AJL
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: CIM-FD-001 0424 **York Sample ID:** 24D1414-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:00 pm	04/22/2024

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: CIM-FD-001 0424 **York Sample ID:** 24D1414-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:00 pm	04/22/2024

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**14**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
108-67-8	**1,3,5-Trimethylbenzene**	**4.0**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
71-43-2	**Benzene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
100-41-4	**Ethyl Benzene**	**9.7**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
98-82-8	**Isopropylbenzene**	**4.4**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.74**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
91-20-3	**Naphthalene**	**24**	QL-02	ug/L	1.0	2.0	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-0		
104-51-8	**n-Butylbenzene**	**0.95**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
103-65-1	**n-Propylbenzene**	**10**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
95-47-6	**o-Xylene**	**5.1**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	**p- & m- Xylenes**	**7.1**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	**p-Isopropyltoluene**	**0.98**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
135-98-8	**sec-Butylbenzene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	**Toluene**	**0.90**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		
1330-20-7	**Xylenes, Total**	**12**		ug/L	0.20	0.50	1	EPA 8260D	04/24/2024 09:00	04/24/2024 19:42	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*65-135*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.6 %*	*86-118*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.9 %*	*81-114*

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: CIM-FD-001 0424 **York Sample ID:** 24D1414-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:00 pm	04/22/2024

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.492**		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	**Fluorene**	**0.441**		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	**Naphthalene**	**0.226**		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
85-01-8	**Phenanthrene**	**0.226**		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D	04/25/2024 08:03	04/26/2024 13:59	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*70.0 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*77.8 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*62.7 %*	*30.7-106*

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270E SIM	04/23/2024 08:07	04/25/2024 14:04	SS
							Certifications:	NJDEP-CT005,NELAC-NY10854		

Sample Information

Client Sample ID: CIM-FD-001 0424 **York Sample ID:** 24D1414-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:00 pm	04/22/2024

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*51.3 %*		*36.6-118*						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**3.43**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**10.7**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**10.7**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**13.5**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**10.3**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**55.9**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
375-95-1	*** Perfluorononanoic acid (PFNA)**	**2.67**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**12.2**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG

Sample Information

Client Sample ID: CIM-FD-001 0424 **York Sample ID:** 24D1414-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 3:00 pm	04/22/2024

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**9.76**		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:34	JTG

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*70.2 %*		*25-150*
Surrogate: M5PFHxA	*70.8 %*		*25-150*
Surrogate: M4PFHpA	*58.3 %*		*25-150*
Surrogate: M3PFHxS	*87.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9 %*		*25-150*
Surrogate: M6PFDA	*79.7 %*		*25-150*
Surrogate: M7PFUdA	*56.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.9 %*		*25-150*
Surrogate: M2PFTeDA	*42.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*67.8 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*7.96 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*57.3 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*69.8 %*		*25-150*
Surrogate: M2-6:2 FTS	*81.3 %*		*25-200*
Surrogate: M2-8:2 FTS	*89.3 %*		*25-200*
Surrogate: M9PFNA	*78.9 %*		*25-150*

Lead by EPA 6020

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications:	04/29/2024 07:57 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	04/30/2024 12:51	AJL

Sample Information

Client Sample ID: CIM-FB-001 0424 **York Sample ID:** 24D1414-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:00 am	04/22/2024

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND	PF-CCV-L	ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
2355-31-9	* N-MeFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
2991-50-6	* N-EtFOSAA	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.31	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.926	1	EPA 537m Certifications:	04/27/2024 17:18	04/30/2024 19:47	JTG

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.1 %*	*25-150*

Sample Information

Client Sample ID: CIM-FB-001 0424 **York Sample ID:** 24D1414-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Ground Water	April 19, 2024 9:00 am	04/22/2024

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*74.3 %*			*25-150*					
	Surrogate: M4PFHpA	*63.5 %*			*25-150*					
	Surrogate: M3PFHxS	*77.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.9 %*			*25-150*					
	Surrogate: M6PFDA	*79.1 %*			*25-150*					
	Surrogate: M7PFUdA	*56.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.3 %*			*25-150*					
	Surrogate: M2PFTeDA	*24.5 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.9 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*54.9 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*65.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*58.7 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*62.1 %*			*25-200*					
	Surrogate: M9PFNA	*83.0 %*			*25-150*					

Sample Information

Client Sample ID: Trip Blank 0424 **York Sample ID:** 24D1414-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Water	April 19, 2024 3:00 pm	04/22/2024

Volatile Organics, CP-51 (STARS) Low level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: **Trip Blank 0424** **York Sample ID:** **24D1414-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24D1414	2231596.01 Consolidated Iron	Water	April 19, 2024 3:00 pm	04/22/2024

Volatile Organics, CP-51 (STARS) Low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/24/2024 09:00	04/24/2024 13:57	BMC
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*79-122*

Analytical Batch Summary

Batch ID: BD41733 **Preparation Method:** EPA 3535A **Prepared By:** THD

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-02	CIM-MW-02 0424	04/23/24
24D1414-03	CIM-MW-03 0424	04/23/24
24D1414-04	CIM-MW-04 0424	04/23/24
24D1414-05	CIM-MW-06 0424	04/23/24
24D1414-06	CIM-MW-07 0424	04/23/24
24D1414-07	CIM-MW-08 0424	04/23/24
24D1414-08	CIM-MW-09 0424	04/23/24
24D1414-09	CIM-FD-001 0424	04/23/24
BD41733-BLK1	Blank	04/23/24
BD41733-BS1	LCS	04/23/24
BD41733-MS1	Matrix Spike	04/23/24
BD41733-MSD1	Matrix Spike Dup	04/23/24

Batch ID: BD41894 **Preparation Method:** EPA 5030B **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-01	CIM-MW-01 0424	04/24/24
24D1414-02	CIM-MW-02 0424	04/24/24
24D1414-03	CIM-MW-03 0424	04/24/24
24D1414-04	CIM-MW-04 0424	04/24/24
24D1414-05	CIM-MW-06 0424	04/24/24
24D1414-06	CIM-MW-07 0424	04/24/24
24D1414-07	CIM-MW-08 0424	04/24/24
24D1414-08	CIM-MW-09 0424	04/24/24
24D1414-09	CIM-FD-001 0424	04/24/24
24D1414-11	Trip Blank 0424	04/24/24
BD41894-BLK1	Blank	04/24/24
BD41894-BS1	LCS	04/24/24
BD41894-BSD1	LCS Dup	04/24/24
BD41894-MS1	Matrix Spike	04/24/24
BD41894-MSD1	Matrix Spike Dup	04/24/24

Batch ID: BD41915 **Preparation Method:** EPA 3510C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-01	CIM-MW-01 0424	04/25/24
24D1414-03	CIM-MW-03 0424	04/25/24
24D1414-04	CIM-MW-04 0424	04/25/24
24D1414-05	CIM-MW-06 0424	04/25/24
24D1414-06	CIM-MW-07 0424	04/25/24
24D1414-07	CIM-MW-08 0424	04/25/24
24D1414-08	CIM-MW-09 0424	04/25/24
24D1414-09	CIM-FD-001 0424	04/25/24
BD41915-BLK1	Blank	04/25/24
BD41915-BS1	LCS	04/25/24

BD41915-MS1	Matrix Spike	04/25/24
BD41915-MSD1	Matrix Spike Dup	04/25/24

Batch ID: BD42023 **Preparation Method:** EPA 3535A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-01	CIM-MW-01 0424	04/26/24
BD42023-BLK1	Blank	04/26/24
BD42023-BS1	LCS	04/26/24
BD42023-MS1	Matrix Spike	04/26/24
BD42023-MSD1	Matrix Spike Dup	04/26/24

Batch ID: BD42085 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** KFH

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-01	CIM-MW-01 0424	04/27/24
24D1414-02	CIM-MW-02 0424	04/27/24
24D1414-03	CIM-MW-03 0424	04/27/24
24D1414-04	CIM-MW-04 0424	04/27/24
24D1414-05	CIM-MW-06 0424	04/27/24
24D1414-06	CIM-MW-07 0424	04/27/24
24D1414-06RE1	CIM-MW-07 0424	04/27/24
24D1414-07	CIM-MW-08 0424	04/27/24
24D1414-08	CIM-MW-09 0424	04/27/24
24D1414-09	CIM-FD-001 0424	04/27/24
24D1414-10	CIM-FB-001 0424	04/27/24
BD42085-BLK1	Blank	04/27/24
BD42085-BS1	LCS	04/27/24
BD42085-MS1	Matrix Spike	04/27/24
BD42085-MSD1	Matrix Spike Dup	04/27/24

Batch ID: BD42116 **Preparation Method:** EPA 3015A **Prepared By:** AD2

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-01	CIM-MW-01 0424	04/29/24
24D1414-02	CIM-MW-02 0424	04/29/24
24D1414-03	CIM-MW-03 0424	04/29/24
24D1414-04	CIM-MW-04 0424	04/29/24
24D1414-05	CIM-MW-06 0424	04/29/24
24D1414-06	CIM-MW-07 0424	04/29/24
24D1414-07	CIM-MW-08 0424	04/29/24
24D1414-08	CIM-MW-09 0424	04/29/24
24D1414-09	CIM-FD-001 0424	04/29/24
BD42116-BLK1	Blank	04/29/24
BD42116-BS1	LCS	04/29/24
BD42116-DUP1	Duplicate	04/29/24
BD42116-MS1	Matrix Spike	04/29/24

Batch ID: BD42218 **Preparation Method:** EPA 3510C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24D1414-02	CIM-MW-02 0424	04/30/24
BD42218-BLK1	Blank	04/30/24
BD42218-BS1	LCS	04/30/24
BD42218-BSD1	LCS Dup	04/30/24

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41894 - EPA 5030B											
Blank (BD41894-BLK1)									Prepared & Analyzed: 04/24/2024		
1,2,4-Trimethylbenzene	ND	0.50	ug/L								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p- & m- Xylenes	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Xylenes, Total	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*65-135*				
Surrogate: SURR: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*81-117*				
Surrogate: SURR: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*79-122*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*81-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41894 - EPA 5030B											
LCS (BD41894-BS1)								Prepared & Analyzed: 04/24/2024			
1,2,4-Trimethylbenzene	11		ug/L	10.0		114	82-132				
1,2,4-Trimethylbenzene	11		"	10.0		114	78-127				
1,3,5-Trimethylbenzene	12		"	10.0		115	80-131				
1,3,5-Trimethylbenzene	12		"	10.0		115	78-128				
Benzene	11		"	10.0		109	85-126				
Benzene	11		"	10.0		109	72-134				
Ethyl Benzene	11		"	10.0		111	80-131				
Ethyl Benzene	11		"	10.0		111	80-129				
Isopropylbenzene	11		"	10.0		115	76-140				
Isopropylbenzene	11		"	10.0		115	76-128				
Methyl tert-butyl ether (MTBE)	9.1		"	10.0		91.2	76-135				
Methyl tert-butyl ether (MTBE)	9.1		"	10.0		91.2	64-142				
Naphthalene	7.6		"	10.0		76.3	70-147				
Naphthalene	7.6		"	10.0		76.3	79-144	Low Bias			
n-Butylbenzene	11		"	10.0		108	79-132				
n-Butylbenzene	11		"	10.0		108	74-132				
n-Propylbenzene	12		"	10.0		116	78-133				
n-Propylbenzene	12		"	10.0		116	72-135				
o-Xylene	11		"	10.0		106	78-130				
o-Xylene	11		"	10.0		106	81-123				
p- & m- Xylenes	22		"	20.0		111	77-133				
p- & m- Xylenes	22		"	20.0		111	79-130				
p-Isopropyltoluene	11		"	10.0		106	81-136				
p-Isopropyltoluene	11		"	10.0		106	80-127				
sec-Butylbenzene	11		"	10.0		107	79-137				
sec-Butylbenzene	11		"	10.0		107	78-127				
tert-Butylbenzene	9.2		"	10.0		91.9	77-138				
tert-Butylbenzene	9.2		"	10.0		91.9	75-131				
Toluene	11		"	10.0		108	80-127				
Toluene	11		"	10.0		108	83-122				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.84*		*"*	*10.0*		*88.4*	*69-130*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.84*		*"*	*10.0*		*88.4*	*65-135*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*79-122*				
Surrogate: SURR: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*81-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41894 - EPA 5030B											
LCS Dup (BD41894-BSD1)								Prepared & Analyzed: 04/24/2024			
1,2,4-Trimethylbenzene	11		ug/L	10.0		107	78-127		6.69	30	
1,2,4-Trimethylbenzene	11		"	10.0		107	82-132		6.69	30	
1,3,5-Trimethylbenzene	11		"	10.0		106	78-128		7.67	30	
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131		7.67	30	
Benzene	11		"	10.0		107	72-134		1.67	30	
Benzene	11		"	10.0		107	85-126		1.67	30	
Ethyl Benzene	10		"	10.0		104	80-129		6.24	30	
Ethyl Benzene	10		"	10.0		104	80-131		6.24	30	
Isopropylbenzene	10		"	10.0		103	76-128		11.0	30	
Isopropylbenzene	10		"	10.0		103	76-140		11.0	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	64-142		14.3	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135		14.3	30	
Naphthalene	8.2		"	10.0		82.5	79-144		7.81	30	
Naphthalene	8.2		"	10.0		82.5	70-147		7.81	30	
n-Butylbenzene	10		"	10.0		101	74-132		7.09	30	
n-Butylbenzene	10		"	10.0		101	79-132		7.09	30	
n-Propylbenzene	11		"	10.0		105	72-135		10.2	30	
n-Propylbenzene	11		"	10.0		105	78-133		10.2	30	
o-Xylene	10		"	10.0		102	81-123		4.03	30	
o-Xylene	10		"	10.0		102	78-130		4.03	30	
p- & m- Xylenes	21		"	20.0		105	79-130		5.60	30	
p- & m- Xylenes	21		"	20.0		105	77-133		5.60	30	
p-Isopropyltoluene	9.7		"	10.0		97.4	80-127		8.27	30	
p-Isopropyltoluene	9.7		"	10.0		97.4	81-136		8.27	30	
sec-Butylbenzene	9.9		"	10.0		98.6	78-127		8.17	30	
sec-Butylbenzene	9.9		"	10.0		98.6	79-137		8.17	30	
tert-Butylbenzene	8.4		"	10.0		84.0	75-131		8.98	30	
tert-Butylbenzene	8.4		"	10.0		84.0	77-138		8.98	30	
Toluene	10		"	10.0		102	80-127		6.48	30	
Toluene	10		"	10.0		102	83-122		6.48	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*65-135*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*86-118*				
Surrogate: SURR: Toluene-d8	*9.75*		*"*	*10.0*		*97.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*81-114*				
Surrogate: SURR: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41894 - EPA 5030B											
Matrix Spike (BD41894-MS1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)						Prepared & Analyzed: 04/24/2024				
1,2,4-Trimethylbenzene	24		ug/L	10.0	13	111	72-129				
1,2,4-Trimethylbenzene	24		"	10.0	13	111	62-130				
1,3,5-Trimethylbenzene	14		"	10.0	3.7	102	69-126				
1,3,5-Trimethylbenzene	14		"	10.0	3.7	102	53-138				
Benzene	13		"	10.0	1.1	118	38-155				
Benzene	13		"	10.0	1.1	118	55-139				
Ethyl Benzene	20		"	10.0	8.3	115	55-146				
Ethyl Benzene	20		"	10.0	8.3	115	72-128				
Isopropylbenzene	14		"	10.0	4.0	99.4	66-139				
Isopropylbenzene	14		"	10.0	4.0	99.4	68-126				
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.63	120	75-128				
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.63	120	54-148				
Naphthalene	33		"	10.0	21	125	39-158				
Naphthalene	33		"	10.0	21	125	57-143				
n-Butylbenzene	11		"	10.0	0.86	96.8	61-138				
n-Butylbenzene	11		"	10.0	0.86	96.8	61-133				
n-Propylbenzene	20		"	10.0	9.5	105	66-134				
n-Propylbenzene	20		"	10.0	9.5	105	60-135				
o-Xylene	15		"	10.0	4.5	109	69-126				
o-Xylene	15		"	10.0	4.5	109	67-129				
p- & m- Xylenes	28		"	20.0	6.3	110	67-130				
p- & m- Xylenes	28		"	20.0	6.3	110	51-152				
p-Isopropyltoluene	9.6		"	10.0	0.90	86.6	64-137				
p-Isopropyltoluene	9.6		"	10.0	0.90	86.6	66-129				
sec-Butylbenzene	11		"	10.0	1.4	90.6	53-155				
sec-Butylbenzene	11		"	10.0	1.4	90.6	66-127				
tert-Butylbenzene	8.1		"	10.0	0.17	78.9	65-139				
tert-Butylbenzene	8.1		"	10.0	0.17	78.9	65-132				
Toluene	12		"	10.0	0.77	109	76-123				
Toluene	12		"	10.0	0.77	109	53-142				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*65-135*				
Surrogate: SURR: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*81-117*				
Surrogate: SURR: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*81-114*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41894 - EPA 5030B											
Matrix Spike Dup (BD41894-MSD1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)							Prepared & Analyzed: 04/24/2024			
1,2,4-Trimethylbenzene	28		ug/L	10.0	13	154	72-129	High Bias	32.4	30	Non-dir.
1,2,4-Trimethylbenzene	28		"	10.0	13	154	62-130	High Bias	16.4	30	
1,3,5-Trimethylbenzene	16		"	10.0	3.7	118	69-126		15.4	30	
1,3,5-Trimethylbenzene	16		"	10.0	3.7	118	53-138		11.5	30	
Benzene	14		"	10.0	1.1	133	38-155		11.9	30	
Benzene	14		"	10.0	1.1	133	55-139		11.0	30	
Ethyl Benzene	26		"	10.0	8.3	172	72-128	High Bias	39.4	30	Non-dir.
Ethyl Benzene	26		"	10.0	8.3	172	55-146	High Bias	24.9	30	
Isopropylbenzene	16		"	10.0	4.0	123	66-139		21.1	30	
Isopropylbenzene	16		"	10.0	4.0	123	68-126		15.5	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.63	136	75-128	High Bias	12.6	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.63	136	54-148		12.0	30	
Naphthalene	40		"	10.0	21	195	39-158	High Bias	43.6	30	Non-dir.
Naphthalene	40		"	10.0	21	195	57-143	High Bias	18.9	30	
n-Butylbenzene	11		"	10.0	0.86	106	61-138		9.35	30	
n-Butylbenzene	11		"	10.0	0.86	106	61-133		8.62	30	
n-Propylbenzene	25		"	10.0	9.5	156	66-134	High Bias	39.1	30	Non-dir.
n-Propylbenzene	25		"	10.0	9.5	156	60-135	High Bias	22.7	30	
o-Xylene	18		"	10.0	4.5	136	69-126	High Bias	21.9	30	
o-Xylene	18		"	10.0	4.5	136	67-129	High Bias	16.1	30	
p- & m- Xylenes	33		"	20.0	6.3	132	67-130	High Bias	18.0	30	
p- & m- Xylenes	33		"	20.0	6.3	132	51-152		14.3	30	
p-Isopropyltoluene	10		"	10.0	0.90	93.0	64-137		7.13	30	
p-Isopropyltoluene	10		"	10.0	0.90	93.0	66-129		6.48	30	
sec-Butylbenzene	11		"	10.0	1.4	99.5	53-155		9.36	30	
sec-Butylbenzene	11		"	10.0	1.4	99.5	66-127		8.12	30	
tert-Butylbenzene	8.6		"	10.0	0.17	83.9	65-139		6.14	30	
tert-Butylbenzene	8.6		"	10.0	0.17	83.9	65-132		6.02	30	
Toluene	13		"	10.0	0.77	125	76-123	High Bias	13.7	30	
Toluene	13		"	10.0	0.77	125	53-142		12.9	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*65-135*				
Surrogate: SURR: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*81-117*				
Surrogate: SURR: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*86-118*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*81-114*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41915 - EPA 3510C											
Blank (BD41915-BLK1)											Prepared: 04/25/2024 Analyzed: 04/26/2024
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: Nitrobenzene-d5	*19.4*		*"*	*25.0*		*77.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.2*		*"*	*25.0*		*60.7*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*23.4*		*"*	*25.0*		*93.8*	*30.7-106*				
LCS (BD41915-BS1)											Prepared: 04/25/2024 Analyzed: 04/26/2024
Acenaphthene	22.8	0.0500	ug/L	25.0		91.1	24-114				
Acenaphthylene	20.6	0.0500	"	25.0		82.2	26-112				
Anthracene	25.7	0.0500	"	25.0		103	35-114				
Benzo(a)anthracene	26.7	0.0500	"	25.0		107	38-127				
Benzo(a)pyrene	28.9	0.0500	"	25.0		116	30-146				
Benzo(b)fluoranthene	27.1	0.0500	"	25.0		108	36-145				
Benzo(g,h,i)perylene	27.8	0.0500	"	25.0		111	10-163				
Benzo(k)fluoranthene	32.8	0.0500	"	25.0		131	16-149				
Chrysene	28.2	0.0500	"	25.0		113	33-120				
Dibenzo(a,h)anthracene	31.7	0.0500	"	25.0		127	10-149				
Fluoranthene	29.1	0.0500	"	25.0		116	33-126				
Fluorene	25.2	0.0500	"	25.0		101	28-117				
Indeno(1,2,3-cd)pyrene	29.3	0.0500	"	25.0		117	10-150				
Naphthalene	20.8	0.0500	"	25.0		83.2	30-99				
Phenanthrene	26.0	0.0500	"	25.0		104	31-112				
Pyrene	25.0	0.0500	"	25.0		100	42-125				
Surrogate: SURR: Nitrobenzene-d5	*24.2*		*"*	*25.0*		*96.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.5*		*"*	*25.0*		*82.0*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*27.4*		*"*	*25.0*		*109*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41915 - EPA 3510C											
Matrix Spike (BD41915-MS1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)							Prepared: 04/25/2024 Analyzed: 04/26/2024			
Acenaphthene	26.0	0.0500	ug/L	25.0	0.427	102	17-132				
Acenaphthylene	23.1	0.0500	"	25.0	ND	92.4	13-124				
Anthracene	29.4	0.0500	"	25.0	ND	117	40-105	High Bias			
Benzo(a)anthracene	30.5	0.0500	"	25.0	0.333	121	23-141				
Benzo(a)pyrene	33.2	0.0500	"	25.0	0.323	131	46-118	High Bias			
Benzo(b)fluoranthene	31.5	0.0500	"	25.0	0.229	125	22-133				
Benzo(g,h,i)perylene	32.5	0.0500	"	25.0	0.365	129	10-126	High Bias			
Benzo(k)fluoranthene	36.7	0.0500	"	25.0	0.458	145	18-152				
Chrysene	31.4	0.0500	"	25.0	0.406	124	30-127				
Dibenzo(a,h)anthracene	36.9	0.0500	"	25.0	0.552	146	10-131	High Bias			
Fluoranthene	33.0	0.0500	"	25.0	ND	132	29-123	High Bias			
Fluorene	29.2	0.0500	"	25.0	0.312	116	20-133				
Indeno(1,2,3-cd)pyrene	34.4	0.0500	"	25.0	0.406	136	10-130	High Bias			
Naphthalene	24.1	0.0500	"	25.0	ND	96.4	26-104				
Phenanthrene	29.9	0.0500	"	25.0	ND	120	29-121				
Pyrene	28.5	0.0500	"	25.0	ND	114	34-129				
Surrogate: SURR: Nitrobenzene-d5	*25.1*		*"*	*25.0*		*100*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*21.3*		*"*	*25.0*		*85.0*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*29.6*		*"*	*25.0*		*118*	*30.7-106*				
Matrix Spike Dup (BD41915-MSD1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)							Prepared: 04/25/2024 Analyzed: 04/26/2024			
Acenaphthene	21.8	0.0500	ug/L	25.0	0.427	85.7	17-132		17.5	20	
Acenaphthylene	19.2	0.0500	"	25.0	ND	77.0	13-124		18.2	20	
Anthracene	24.8	0.0500	"	25.0	ND	99.0	40-105		17.0	20	
Benzo(a)anthracene	26.0	0.0500	"	25.0	0.333	103	23-141		15.8	20	
Benzo(a)pyrene	28.6	0.0500	"	25.0	0.323	113	46-118		14.7	20	
Benzo(b)fluoranthene	27.0	0.0500	"	25.0	0.229	107	22-133		15.6	20	
Benzo(g,h,i)perylene	26.9	0.0500	"	25.0	0.365	106	10-126		19.0	20	
Benzo(k)fluoranthene	32.2	0.0500	"	25.0	0.458	127	18-152		13.2	20	
Chrysene	27.4	0.0500	"	25.0	0.406	108	30-127		13.8	20	
Dibenzo(a,h)anthracene	30.6	0.0500	"	25.0	0.552	120	10-131		18.7	20	
Fluoranthene	27.7	0.0500	"	25.0	ND	111	29-123		17.6	20	
Fluorene	24.3	0.0500	"	25.0	0.312	95.9	20-133		18.4	20	
Indeno(1,2,3-cd)pyrene	28.7	0.0500	"	25.0	0.406	113	10-130		18.2	20	
Naphthalene	19.0	0.0500	"	25.0	ND	76.2	26-104		23.5	20	Non-dir.
Phenanthrene	25.0	0.0500	"	25.0	ND	100	29-121		17.7	20	
Pyrene	24.4	0.0500	"	25.0	ND	97.5	34-129		15.5	20	
Surrogate: SURR: Nitrobenzene-d5	*18.2*		*"*	*25.0*		*72.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.3*		*"*	*25.0*		*65.2*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*23.0*		*"*	*25.0*		*92.1*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42218 - EPA 3510C											
Blank (BD42218-BLK1)										Prepared & Analyzed: 04/30/2024	
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: Nitrobenzene-d5	*16.7*		*"*	*25.0*		*66.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*12.1*		*"*	*25.0*		*48.6*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*16.4*		*"*	*25.0*		*65.6*	*30.7-106*				
LCS (BD42218-BS1)										Prepared & Analyzed: 04/30/2024	
Acenaphthene	12.5	0.0500	ug/L	25.0		50.0	24-114				
Acenaphthylene	11.5	0.0500	"	25.0		46.0	26-112				
Anthracene	13.5	0.0500	"	25.0		54.0	35-114				
Benzo(a)anthracene	13.9	0.0500	"	25.0		55.5	38-127				
Benzo(a)pyrene	13.6	0.0500	"	25.0		54.2	30-146				
Benzo(b)fluoranthene	13.5	0.0500	"	25.0		54.0	36-145				
Benzo(g,h,i)perylene	13.9	0.0500	"	25.0		55.7	10-163				
Benzo(k)fluoranthene	16.3	0.0500	"	25.0		65.1	16-149				
Chrysene	14.4	0.0500	"	25.0		57.6	33-120				
Dibenzo(a,h)anthracene	15.8	0.0500	"	25.0		63.0	10-149				
Fluoranthene	14.6	0.0500	"	25.0		58.2	33-126				
Fluorene	13.5	0.0500	"	25.0		54.0	28-117				
Indeno(1,2,3-cd)pyrene	14.6	0.0500	"	25.0		58.6	10-150				
Naphthalene	12.8	0.0500	"	25.0		51.2	30-99				
Phenanthrene	13.6	0.0500	"	25.0		54.3	31-112				
Pyrene	13.6	0.0500	"	25.0		54.3	42-125				
Surrogate: SURR: Nitrobenzene-d5	*15.0*		*"*	*25.0*		*59.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*12.3*		*"*	*25.0*		*49.1*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*15.1*		*"*	*25.0*		*60.3*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42218 - EPA 3510C											
LCS Dup (BD42218-BSD1)							Prepared & Analyzed: 04/30/2024				
Acenaphthene	16.6	0.0500	ug/L	25.0		66.6	24-114		28.4	20	Non-dir.
Acenaphthylene	15.2	0.0500	"	25.0		60.8	26-112		27.8	20	Non-dir.
Anthracene	17.9	0.0500	"	25.0		71.6	35-114		28.1	20	Non-dir.
Benzo(a)anthracene	18.2	0.0500	"	25.0		73.0	38-127		27.2	20	Non-dir.
Benzo(a)pyrene	19.9	0.0500	"	25.0		79.7	30-146		38.0	20	Non-dir.
Benzo(b)fluoranthene	18.4	0.0500	"	25.0		73.6	36-145		30.6	20	Non-dir.
Benzo(g,h,i)perylene	18.8	0.0500	"	25.0		75.2	10-163		29.7	20	Non-dir.
Benzo(k)fluoranthene	22.0	0.0500	"	25.0		88.1	16-149		30.1	20	Non-dir.
Chrysene	19.0	0.0500	"	25.0		75.9	33-120		27.3	20	Non-dir.
Dibenzo(a,h)anthracene	21.2	0.0500	"	25.0		84.7	10-149		29.3	20	Non-dir.
Fluoranthene	19.5	0.0500	"	25.0		78.0	33-126		29.1	20	Non-dir.
Fluorene	17.8	0.0500	"	25.0		71.0	28-117		27.1	20	Non-dir.
Indeno(1,2,3-cd)pyrene	19.8	0.0500	"	25.0		79.1	10-150		29.8	20	Non-dir.
Naphthalene	16.5	0.0500	"	25.0		66.2	30-99		25.4	20	Non-dir.
Phenanthrene	17.9	0.0500	"	25.0		71.6	31-112		27.6	20	Non-dir.
Pyrene	17.5	0.0500	"	25.0		70.0	42-125		25.3	20	Non-dir.
Surrogate: SURR: Nitrobenzene-d5	*18.6*		*"*	*25.0*		*74.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.5*		*"*	*25.0*		*62.1*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*18.4*		*"*	*25.0*		*73.5*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD41733 - EPA 3535A											
Blank (BD41733-BLK1)									Prepared: 04/23/2024 Analyzed: 04/24/2024		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*2.05*		*"*	*4.00*		*51.3*	*36.6-118*				
LCS (BD41733-BS1)									Prepared: 04/23/2024 Analyzed: 04/24/2024		
1,4-Dioxane	3.78	0.300	ug/L	4.00		94.4	50-130				
Surrogate: 1,4-Dioxane-d8	*2.05*		*"*	*4.00*		*51.3*	*36.6-118*				
Matrix Spike (BD41733-MS1)	*Source sample: 24D1357-06 (Matrix Spike)								Prepared: 04/23/2024 Analyzed: 04/24/2024		
1,4-Dioxane	3.46	0.300	ug/L	4.00	ND	86.4	50-130				
Surrogate: 1,4-Dioxane-d8	*2.04*		*"*	*4.00*		*51.1*	*50-130*				
Matrix Spike Dup (BD41733-MSD1)	*Source sample: 24D1357-06 (Matrix Spike Dup)								Prepared: 04/23/2024 Analyzed: 04/24/2024		
1,4-Dioxane	3.54	0.300	ug/L	4.00	ND	88.4	50-130		2.29	30	
Surrogate: 1,4-Dioxane-d8	*2.00*		*"*	*4.00*		*50.0*	*50-130*				
Batch BD42023 - EPA 3535A											
Blank (BD42023-BLK1)									Prepared & Analyzed: 04/26/2024		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*2.34*		*"*	*4.00*		*58.5*	*36.6-118*				
LCS (BD42023-BS1)									Prepared & Analyzed: 04/26/2024		
1,4-Dioxane	4.10	0.300	ug/L	4.00		102	50-130				
Surrogate: 1,4-Dioxane-d8	*2.04*		*"*	*4.00*		*50.9*	*36.6-118*				
Matrix Spike (BD42023-MS1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)								Prepared & Analyzed: 04/26/2024		
1,4-Dioxane	3.76	0.300	ug/L	4.00	ND	94.0	50-130				
Surrogate: 1,4-Dioxane-d8	*2.60*		*"*	*4.00*		*65.1*	*50-130*				

Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42023 - EPA 3535A											
Matrix Spike Dup (BD42023-MSD1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)							Prepared & Analyzed: 04/26/2024			
1,4-Dioxane	4.03	0.300	ug/L	4.00	ND	101	50-130		6.98	30	
Surrogate: 1,4-Dioxane-d8	*2.10*		*"*	*4.00*		*52.5*	*50-130*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42085 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD42085-BLK1)											
Prepared: 04/27/2024 Analyzed: 04/30/2024											
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*51.5*		"	*80.0*		*64.3*	*25-150*				
Surrogate: M5PFHxA	*57.1*		"	*80.0*		*71.3*	*25-150*				
Surrogate: M4PFHpA	*47.3*		"	*80.0*		*59.2*	*25-150*				
Surrogate: M3PFHxS	*64.3*		"	*80.0*		*80.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M6PFDA	*62.2*		"	*80.0*		*77.7*	*25-150*				
Surrogate: M7PFUdA	*42.8*		"	*80.0*		*53.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*46.2*		"	*80.0*		*57.8*	*25-150*				
Surrogate: M2PFTeDA	*21.3*		"	*80.0*		*26.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*53.4*		"	*80.0*		*66.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*53.0*		"	*80.0*		*66.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.1*		"	*80.0*		*77.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.7*		"	*80.0*		*32.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*34.7*		"	*80.0*		*43.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*35.9*		"	*80.0*		*44.9*	*25-150*				
Surrogate: M2-6:2 FTS	*53.9*		"	*80.0*		*67.3*	*25-200*				
Surrogate: M2-8:2 FTS	*61.8*		"	*80.0*		*77.2*	*25-200*				
Surrogate: M9PFNA	*62.1*		"	*80.0*		*77.6*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42085 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD42085-BS1)								Prepared: 04/27/2024 Analyzed: 04/30/2024			
Perfluorobutanesulfonic acid (PFBS)	71.2	1.98	ng/L	70.2		101	50-130				
Perfluorohexanoic acid (PFHxA)	74.9	1.98	"	79.4		94.4	50-130				
Perfluoroheptanoic acid (PFHpA)	88.2	1.98	"	79.4		111	50-130				
Perfluorohexanesulfonic acid (PFHxS)	62.4	1.98	"	72.2		86.3	50-130				
Perfluorooctanoic acid (PFOA)	64.4	1.98	"	79.4		81.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	78.4	1.98	"	73.4		107	50-130				
Perfluorononanoic acid (PFNA)	60.6	1.98	"	79.4		76.3	50-130				
Perfluorodecanoic acid (PFDA)	66.5	1.98	"	79.4		83.8	50-130				
Perfluoroundecanoic acid (PFUnA)	87.0	1.98	"	79.4		110	50-130				
Perfluorododecanoic acid (PFDoA)	74.6	1.98	"	79.4		94.0	50-130				
Perfluorotridecanoic acid (PFTrDA)	11.9	1.98	"	79.4		15.1	50-130	Low Bias			
Perfluorotetradecanoic acid (PFTA)	80.1	1.98	"	79.4		101	50-130				
N-MeFOSAA	89.5	1.98	"	79.4		113	50-130				
N-EtFOSAA	80.6	1.98	"	79.4		102	50-130				
Perfluoropentanoic acid (PFPeA)	74.3	1.98	"	79.4		93.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	81.8	1.98	"	79.4		103	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	93.7	1.98	"	75.8		124	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	80.6	1.98	"	76.6		105	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	90.9	4.96	"	75.4		121	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	64.6	1.98	"	76.2		84.8	50-175				
Perfluoro-n-butanoic acid (PFBA)	77.9	1.98	"	79.4		98.1	50-130				
Surrogate: M3PFBS	*54.5*		"	*79.4*		*68.7*	*25-150*				
Surrogate: M5PFHxA	*65.6*		"	*79.4*		*82.7*	*25-150*				
Surrogate: M4PFHpA	*58.1*		"	*79.4*		*73.3*	*25-150*				
Surrogate: M3PFHxS	*66.4*		"	*79.4*		*83.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.2*		"	*79.4*		*97.3*	*25-150*				
Surrogate: M6PFDA	*71.0*		"	*79.4*		*89.5*	*25-150*				
Surrogate: M7PFUdA	*48.7*		"	*79.4*		*61.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.1*		"	*79.4*		*65.7*	*25-150*				
Surrogate: M2PFTeDA	*17.0*		"	*79.4*		*21.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*66.1*		"	*79.4*		*83.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*59.1*		"	*79.4*		*74.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.5*		"	*79.4*		*83.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*30.3*		"	*79.4*		*38.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*38.5*		"	*79.4*		*48.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*40.7*		"	*79.4*		*51.3*	*25-150*				
Surrogate: M2-6:2 FTS	*42.7*		"	*79.4*		*53.8*	*25-200*				
Surrogate: M2-8:2 FTS	*46.8*		"	*79.4*		*58.9*	*25-200*				
Surrogate: M9PFNA	*73.2*		"	*79.4*		*92.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42085 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD42085-MS1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)								Prepared: 04/27/2024 Analyzed: 04/30/2024		
Perfluorobutanesulfonic acid (PFBS)	36.8	0.926	ng/L	32.8	3.45	102	25-150				
Perfluorohexanoic acid (PFHxA)	45.1	0.926	"	37.0	11.1	91.8	25-150				
Perfluoroheptanoic acid (PFHpA)	53.7	0.926	"	37.0	10.3	117	25-150				
Perfluorohexanesulfonic acid (PFHxS)	42.7	0.926	"	33.7	13.4	86.9	25-150				
Perfluorooctanoic acid (PFOA)	39.5	0.926	"	37.0	10.2	79.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	90.0	0.926	"	34.3	62.1	81.6	25-150				
Perfluorononanoic acid (PFNA)	31.8	0.926	"	37.0	2.11	80.1	25-150				
Perfluorodecanoic acid (PFDA)	30.1	0.926	"	37.0	0.277	80.4	25-150				
Perfluoroundecanoic acid (PFUnA)	40.5	0.926	"	37.0	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	34.4	0.926	"	37.0	ND	92.9	25-150				
Perfluorotridecanoic acid (PFTrDA)	10.4	0.926	"	37.0	ND	28.2	25-150				
Perfluorotetradecanoic acid (PFTA)	36.1	0.926	"	37.0	ND	97.6	25-150				
N-MeFOSAA	38.2	0.926	"	37.0	ND	103	25-150				
N-EtFOSAA	33.2	0.926	"	37.0	ND	89.8	25-150				
Perfluoropentanoic acid (PFPeA)	45.2	0.926	"	37.0	12.4	88.5	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	37.2	0.926	"	37.0	ND	100	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.4	0.926	"	35.4	0.650	112	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	38.8	0.926	"	35.7	ND	109	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	34.7	2.31	"	35.2	ND	98.7	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	33.6	0.926	"	35.6	ND	94.4	25-200				
Perfluoro-n-butanoic acid (PFBA)	43.7	0.926	"	37.0	10.1	90.9	25-150				
Surrogate: M3PFBS	*26.4*		"	*37.0*		*71.2*	*25-150*				
Surrogate: M5PFHxA	*27.6*		"	*37.0*		*74.5*	*25-150*				
Surrogate: M4PFHpA	*22.3*		"	*37.0*		*60.2*	*25-150*				
Surrogate: M3PFHxS	*32.0*		"	*37.0*		*86.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*30.7*		"	*37.0*		*83.0*	*25-150*				
Surrogate: M6PFDA	*30.4*		"	*37.0*		*82.0*	*25-150*				
Surrogate: M7PFUdA	*22.3*		"	*37.0*		*60.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*26.0*		"	*37.0*		*70.1*	*25-150*				
Surrogate: M2PFTeDA	*21.0*		"	*37.0*		*56.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*29.3*		"	*37.0*		*79.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*26.1*		"	*37.0*		*70.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*29.1*		"	*37.0*		*78.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*12.8*		"	*37.0*		*34.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*24.8*		"	*37.0*		*67.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*28.0*		"	*37.0*		*75.5*	*25-150*				
Surrogate: M2-6:2 FTS	*33.2*		"	*37.0*		*89.7*	*25-200*				
Surrogate: M2-8:2 FTS	*27.1*		"	*37.0*		*73.1*	*25-200*				
Surrogate: M9PFNA	*30.5*		"	*37.0*		*82.4*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42085 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD42085-MSD1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)								Prepared: 04/27/2024 Analyzed: 04/30/2024		
Perfluorobutanesulfonic acid (PFBS)	37.2	0.926	ng/L	32.8	3.45	103	25-150		1.12	35	
Perfluorohexanoic acid (PFHxA)	48.0	0.926	"	37.0	11.1	99.8	25-150		6.35	35	
Perfluoroheptanoic acid (PFHpA)	55.3	0.926	"	37.0	10.3	122	25-150		3.02	35	
Perfluorohexanesulfonic acid (PFHxS)	41.3	0.926	"	33.7	13.4	82.8	25-150		3.30	35	
Perfluorooctanoic acid (PFOA)	40.9	0.926	"	37.0	10.2	82.9	25-150		3.55	35	
Perfluorooctanesulfonic acid (PFOS)	100	0.926	"	34.3	62.1	111	25-150		10.5	35	
Perfluorononanoic acid (PFNA)	33.0	0.926	"	37.0	2.11	83.4	25-150		3.83	35	
Perfluorodecanoic acid (PFDA)	32.0	0.926	"	37.0	0.277	85.6	25-150		6.13	35	
Perfluoroundecanoic acid (PFUnA)	40.1	0.926	"	37.0	ND	108	25-150		1.08	35	
Perfluorododecanoic acid (PFDoA)	33.9	0.926	"	37.0	ND	91.5	25-150		1.57	35	
Perfluorotridecanoic acid (PFTrDA)	9.96	0.926	"	37.0	ND	26.9	25-150		4.60	35	
Perfluorotetradecanoic acid (PFTA)	37.0	0.926	"	37.0	ND	99.8	25-150		2.27	35	
N-MeFOSAA	39.9	0.926	"	37.0	ND	108	25-150		4.33	35	
N-EtFOSAA	36.4	0.926	"	37.0	ND	98.4	25-150		9.16	35	
Perfluoropentanoic acid (PFPeA)	45.0	0.926	"	37.0	12.4	88.1	25-150		0.348	35	
Perfluoro-1-octanesulfonamide (FOSA)	39.1	0.926	"	37.0	ND	106	25-150		5.05	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	42.9	0.926	"	35.4	0.650	120	25-150		6.13	35	
Perfluoro-1-decanesulfonic acid (PFDS)	41.5	0.926	"	35.7	ND	116	25-150		6.61	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	41.5	2.31	"	35.2	ND	118	25-200		17.8	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	30.0	0.926	"	35.6	ND	84.3	25-200		11.3	35	
Perfluoro-n-butanoic acid (PFBA)	45.1	0.926	"	37.0	10.1	94.6	25-150		3.07	35	
Surrogate: M3PFBS	*25.3*		"	*37.0*		*68.4*	*25-150*				
Surrogate: M5PFHxA	*25.8*		"	*37.0*		*69.7*	*25-150*				
Surrogate: M4PFHpA	*21.3*		"	*37.0*		*57.5*	*25-150*				
Surrogate: M3PFHxS	*31.3*		"	*37.0*		*84.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*30.2*		"	*37.0*		*81.5*	*25-150*				
Surrogate: M6PFDA	*27.7*		"	*37.0*		*74.8*	*25-150*				
Surrogate: M7PFUdA	*20.5*		"	*37.0*		*55.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*23.8*		"	*37.0*		*64.1*	*25-150*				
Surrogate: M2PFTeDA	*16.4*		"	*37.0*		*44.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*28.1*		"	*37.0*		*75.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*23.2*		"	*37.0*		*62.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*27.9*		"	*37.0*		*75.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*9.24*		"	*37.0*		*24.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*20.9*		"	*37.0*		*56.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*22.0*		"	*37.0*		*59.3*	*25-150*				
Surrogate: M2-6:2 FTS	*26.7*		"	*37.0*		*72.0*	*25-200*				
Surrogate: M2-8:2 FTS	*25.9*		"	*37.0*		*69.9*	*25-200*				
Surrogate: M9PFNA	*28.4*		"	*37.0*		*76.6*	*25-150*				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD42116 - EPA 3015A											
Blank (BD42116-BLK1)										Prepared: 04/29/2024 Analyzed: 04/30/2024	
Arsenic	ND	1.11	ug/L								
Lead	ND	1.11	"								
LCS (BD42116-BS1)										Prepared: 04/29/2024 Analyzed: 04/30/2024	
Arsenic	46.6		ug/L	50.0		93.1	80-120				
Lead	49.1		"	50.0		98.2	80-120				
Duplicate (BD42116-DUP1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)									Prepared: 04/29/2024 Analyzed: 04/30/2024	
Arsenic	ND	1.11	ug/L		ND					20	
Lead	ND	1.11	"		ND					20	
Matrix Spike (BD42116-MS1)	*Source sample: 24D1414-01 (CIM-MW-01 0424)									Prepared: 04/29/2024 Analyzed: 04/30/2024	
Arsenic	50.4		ug/L	50.0	0.213	100	75-125				
Lead	43.5		"	50.0	0.425	86.2	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24D1414-01	CIM-MW-01 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-02	CIM-MW-02 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-03	CIM-MW-03 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-04	CIM-MW-04 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-05	CIM-MW-06 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-06	CIM-MW-07 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-07	CIM-MW-08 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-08	CIM-MW-09 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-09	CIM-FD-001 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24D1414-11	Trip Blank 0424	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-CCV-L	The CCV recovery for this PFAS compound was below control limits.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-PR	Sample was prepared outside of the recommended holding time.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24D1414

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd. #2 Newtown, CT 06470 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: LA BELLA	Company: LABELLA	Company: LABELLA
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: ERIC ORLOWSKI	Contact: ERIC ORLOWSKI	Contact: ACCTS PAYABLE
E-mail:	E-mail:	E-mail: appk@labellapc.com

YOUR Project Number: 2231596.01

YOUR Project Name: CONSOLIDATED IRON

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
RUSH - Five Day	
Standard (6-9 Day)	✓

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

ERIC ORLOWSKI

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
CMDP | NJDEP Reduced Deliverables | NJDKQP
Standard Excel EDD | NJDEP SRP HazSite
NY ASP B Package | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
CIM-MW-01 0424	GW	4/19/2024 0920	CP-51 VOCs, CP-51 SVOCs, Total Pb, 1-4-Dioxane, PFAS	PER SAMPLE:	
CIM-MW-02 0424		1056	PbTAS	40 mL VOA	3
CIM-MW-03 0424		1328	Pb	1L Amber	3
CIM-MW-04 0424		1547	Pb	250mL PL	1
CIM-MW-06 0424		1727	Pb	250mL HDPE	2
CIM-MW-07 0424		1435	Pb		
CIM-MW-08 0424		1640	Pb		
CIM-MW-09 0424		1234	Pb		
CIM-MW-01-MS 0424		0930	Pb		
CIM-MW-01-MSD 0424		0940	Pb		

Comments:

PFAS by METHOD 537m

Preservation: (check all that apply)

HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: 4°C

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
LABELLA	4/22/2024	Chris C 4-22-24	12:20	Chris C 4-22-24	1505
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				NCCS 4/22/24	1505 / 2.1 Degrees C

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

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Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24D1414

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: LABELLA	Company: LABELLA	Company: LABELLA
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: ERIC ORLOWSKI	Contact: ERIC ORLOWSKI	Contact: ACCTS PAYABLE
E-mail:	E-mail:	E-mail: appk@labellaec.com

YOUR Project Number: 2231596.01

YOUR Project Name: CONSOLIDATED IRON

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- RUSH - Five Day
- Standard (6-9 Day) ✓

PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

ERIC ORLOWSKI

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
CMDP | NJDEP Reduced Deliverables | NJDKQP
Standard Excel EDD | NJDEP SRP HazSite
NY ASP B Package | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
CIH-[illegible]-001 0424	GW	4/19/2024 XXXX	CP-51 VOCs, CP-51 SVOCs, Total Pb, 1,4-DIOXANE, PFAS	VARIOUS	
CIH-FB-001 0424	DI	4/19/2024 0900	PFAS 537m	250mL HDPE	2
TRIP BLANK 0424	DI		CP-51 VOCs	40 mL VOA	2

Comments:

PFAS by METHOD 537m

Preservation: (check all that apply)

HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: 4°C

Special Instruction

Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
ERIC ORLOWSKI / LABELLA	4/22/2024	Chris C	4-22-24 12:20	Chris C	4-22-24 1505
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				NCCS	4/22/24 1505 / 2.1 Degrees C