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July 19, 2023

Ms. Ruth Curley & Mr. Kyle Forster
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Subject: **2023 Long Term Monitoring Event – Main Plant Area**
AL Tech Specialty Steel (NYSDEC Site 401003)
MACTEC Engineering & Geology, P.C., Project No. 3616206100

Dear Ms. Curley:

MACTEC Engineering & Geology, P.C., (MACTEC), under contract to the New York State (NYS) Department of Environmental Conservation (NYSDEC) has prepared this data report for the AL Tech Specialty Steel Site (Site No. 401003) (Figure 1). This report provides results for the 2023 Long Term Monitoring (LTM) conducted at the Main Plant Area (MPA) portion of the Site in February.

The LTM was conducted at the Site in accordance with the Interim Site Management Plan (MACTEC, 2016) to:

- Evaluate the effectiveness of the interim remedial actions that have been conducted at the Site.
- Monitor long-term trends in concentrations of contaminants.
- Evaluate whether Site-related contaminants chromium, lead, nickel, copper, and polychlorinated biphenyls (PCBs) are migrating off-Site.

The previous most recent LTM event for the MPA was conducted in August 2020. Long term groundwater monitoring was suspended during implementation of the Operable Unit 03 (OU-03) remedial action which included removal of bulk PCB containing Galbestos (NYSDEC, 2018). Remedial activities related to OU-03 were initiated in late 2020 and are anticipated to be completed in 2023.

SCOPE OF WORK

The LTM sampling event at the MPA was conducted by MACTEC from February 20 to February 24, 2023, and consisted of:

- Monitoring well inspection,
- Groundwater elevation monitoring, and
- Groundwater sampling and analysis.

The locations of the LTM monitoring points and their objectives are shown on Figure 2.

A synoptic round of water level measurements was recorded prior to sampling. Monitoring wells used for the collection of water level measurements are shown on Figure 2 and the water level measurements are presented in Table 1. A monitoring well inspection was conducted during the collection of the synoptic water level measurements. Monitoring well conditions were recorded on the monitoring well inspection checklist which is provided in Attachment 1. Correctable deficiencies were remedied by the field staff as necessary (e.g. tubing replacement, bolt replacement on flush mount covers, measurement point marking, and well labelling). Deficiencies that were unable to be remedied by the field staff (e.g. replacement of locking caps, rings, or NYSDEC keyed site locks) were noted and replacement materials will be procured for installation at the next planned Site visit. Observed protective casing heave and settlement will be monitored to determine if repairs may be required in the future.

Low flow groundwater sampling techniques were used for the collection of groundwater samples. Wells with historically low recharge rates were purged dry and allowed to recharge prior to sampling. Field Data Records (FDRs), which document sampling information such as total gallons purged, purge rate, depth to water, drawdown ratios, pump pressures used, and relevant notes and observations are presented in Attachment 1. The FDRs also document field measurements for pH, temperature, specific conductance, oxidation reduction potential, dissolved oxygen, and turbidity obtained during the pre-sample well purging. Samples were analyzed for one or more of the following parameters as per the sampling and analysis plan (Table 2):

- polychlorinated biphenyls (PCBs),
- total metals or dissolved metals,

- hexavalent chromium (Cr^{+6}),
- volatile and semi-volatile organic compounds (VOCs and SVOCs),
- total petroleum hydrocarbons, and
- other inorganic compounds (ammonia, fluoride, nitrate, and sulfate).

Groundwater samples were analyzed by Eurofins Environment Testing, except for hexavalent chromium which was analyzed separately by SGS Acutest. A chemistry review report was prepared by MACTEC for the four laboratory sample delivery groups and is provided as Attachment 2. Based on this review, the results were deemed usable (i.e., no sample results were qualified as rejected).

Purge water from monitoring wells that showed evidence of contamination (photoionization detector readings above background, visual, or olfactory) was containerized for offsite disposal and documented on the FDRs. If no evidence of contamination was identified, purge water from monitoring wells was released on-site to the ground surface in the vicinity of the well sampled.

FINDINGS

The February 2023 LTM results are discussed below.

Monitoring Well Inspection. Results of the well inspection found most of the site wells intact and usable for the LTM objectives (Attachment 1). Two overburden monitoring wells which had historically been obstructed (MW-12) or observed to have been damaged as part of OU03 remediation activities (MW-22) were replaced/repaired by the remediation contractor prior to the LTM inspection activities. As part of the LTM inspection, some wells were observed to be damaged (e.g. dented casing, damaged risers, etc.), but not compromised (MW-14, MW-15, H-4S, H-4D, and MW-I704). Heaving of the concrete pad was observed at MW-18, MW-19, MW-37, MW-39, and MW-43. Repairs to the damaged wells or those with heaved pads are not required at this time and are recommended to be re-evaluated as part of anticipated remedial actions for OU-01 at the Site.

Groundwater Elevations. Groundwater elevations for monitoring wells located at the MPA are shown on Table 1. In general, the water levels and the groundwater flow direction observed are consistent with previous years. Depth to groundwater ranged from 2.1 to 15.2 feet below ground

surface in the overburden and shallow bedrock at the MPA. Interpreted overburden and bedrock groundwater surface contours are presented on Figures 3 and 4, respectively. Survey data for MW-22 has not been obtained and is not included in the overburden potentiometric surface map. The groundwater contours indicate that groundwater flow in the vicinity of the MPA is to the east-northeast, towards the Hudson River which is located approximately one mile to the east of the site.

Groundwater Sampling Results – February 2023. The groundwater sampling results have been grouped by the following site region being monitored and sample objectives as shown on Figure 2:

Area	**Monitoring Locations**
Background	MW-8B, MW-15, MW-17, MW-43
Chlorobenzene Area	MW-27R, DP-09
Extrusion Region	MW-3, MW-3B
Rolling Mill Region	MW-12, MW-22, MW-G501, MW-I704, MW-5, MW-5B, MW-6, MW-6B, MW-18, PES-7
Melt Shop Region	MW-11
Scrap Metal Storage Area Region	MW-1, MW-1B, MW-14, MW-24, MW-26, MW-26B, MW-32, MW-F401, H-4D, H-4S, MW-37, MW-39
Waste Acid Pit Area	MW-4, MW-4B, MW-19, MW-19B, PES-5

Analytical results for compounds detected in groundwater were compared to NYS Class GA water quality standards and guidance values (GA/GV) (NYS, 1999) and are provided in Tables 3 (organic compounds) and 4 (metals and inorganic compounds). Concentration time series plots for PCBs, dichlorobenzene, total chromium, and hexavalent chromium for a select number of monitoring locations are provided in Attachment 3.

Sampling results from this monitoring event are consistent with results from previous years, and include the following:

Organics

- VOCs isopropylbenzene and propylbenzene were detected at concentrations exceeding the GA standards at MW-22 in the Rolling Mills Region. The VOC detections and concentrations are generally consistent with hisotircal sampling results.

  Monitoring location MW-27R (a replacement well for MW-27) is located within the chlorobenzene Interim Remediation Measure (IRM) excavation area. VOCs (1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene) were detected in groundwater at concentrations exceeding the GA standards (Table 3). Concentrations of 1,3-dichlorobenzene (11 µg/L) and 1,4-dichlorobenzene (12 µg/L) increased to above the Class GA standard of 3 µg/L for this event after being observed as non-detect or below 1 µg/L for the August 2020 event. As indicated by the time series plot, concentrations of dichlorobenzenes in this area have generally decreased over time since the 2013 IRM (Attachment 3). As part of the final completion of the IRM, PVC risers and injection piping were left in place within the excavation area for future application of additional treatment oxidants, if necessary (MACTEC, 2014).

  The slight increase observed in concentrations of 1,3-dichlorobenzene and 1,4-dichlorobenzene will be re-evaluated in the next scheduled sampling event for May 2024.

- SVOCs were not detected at any monitoring well location at levels exceeding GA standards (Table 3).

- Hydrocarbons (diesel range organics) were detected at two monitoring wells within the Rolling Mill Area at locations (MW-6, and PES-7). Diesel range organics were also detected at location MW-4 in the Waste Acid Pit Area. The detection frequency and concentrations of these analytes are consistent with previous sampling events. Overall, the concentrations of diesel range organics have decreased since 2018 at MW-6 and PES-7. These are no Class GA standards for this analyte.

- PCBs were detected at concentrations exceeding GA standards at two on-site locations (H-4S and MW-32), both within the Scrap Metal Storage Area (SMSA) (Table 3). Groundwater samples for PCBs were collected as unfiltered samples. PCBs were detected at concentrations below GA standards at MW-14, also in the SMSA. As part of the 2015 MPA LTM, filtered and unfiltered groundwater samples were analyzed for PCBs. The

sample results showed similar concentrations between the two samples suggesting that PCB detections were not attributable to turbidity in a sample (MACTEC, 2015).

As illustrated on the time series plots, the detections and concentrations of PCBs in groundwater in the SMSA are consistent with previous sampling events and were not detected in downgradient monitoring wells MW-37 and MW-39 indicating they are not migrating off-Site (Attachment 3).

- LNAPL was observed in two wells, MW-22 and MW-F401 consistent with historical observations. MW-22 part of the site-wide well network monitored monthly by a NYSDEC subcontractor (Precision Environmental Services) for LNAPL (MACTEC, 2023). The monthly LNAPL measurements are compiled and submitted in the Annual Site Report. MW-F401 is not monitored as part of the monthly program.

Metals and Inorganics

- Metals including barium, total chromium, hexavalent chromium, molybdenum, manganese, nickel, and selenium, were detected in groundwater at concentrations exceeding Class GA standards (Table 4).
- Manganese was the most frequently detected analyte at concentrations exceeding the Class GA standards (25 out of 33 results). Many of the manganese concentrations (10 out of 25 results) that exceeded Class GA standards are consistent with overburden groundwater background levels in the region (65 to 1,670 µg/L) as reported by the United States Geologic Survey (USGS) (Nystrom, 2010, 2009 and 2008) and those collected near the site (Table 4). The highest concentrations of manganese in groundwater (>4,000 µg/L) were typically observed along the eastern property boundary (MW-4, MW-6, MW-12, MW-18, MW-39 and PES-7). Manganese exceedances were found to be less frequent and lower in concentration at other wells across the MPA. These trends suggest that the manganese exceedances along the eastern property boundary are potentially related to localized fill in these areas rather than past Site practices.
- Detections and concentrations of chromium and hexavalent chromium in groundwater in the SMSA are consistent with previous sampling events and were not detected in the downgradient off-site monitoring wells MW-37 and MW-39 (Table 4, Attachment 3).

These observations indicate that these Site-related contaminants within the SMSA are not migrating off-site.

- The monitoring wells located in the Waste Acid Pit Area and background wells (Figure 2) were analyzed for select inorganic constituents (ammonium, fluoride, sulfate). Fluoride was detected above the Class GA standard in each of the Waste Acid Pit Area Monitoring wells and sulfate was detected above the Class GA standards in upgradient bedrock well MW-8B (Table 4).

SUMMARY

Groundwater conditions (including water levels, flow direction, and contaminant levels) at the MPA were observed to be consistent with conditions reported for recent sampling events (2019 and 2020). The next sampling event for the MPA is scheduled for May 2024.

If you have any questions or need any additional information, please feel free to call us at 207-775-5401.

Sincerely,

MACTEC Engineering & Geology, P.C.

Nathan Vogan, PG
Site Manager

Jean Firth, PG
Project, Program Manager

Enclosures:

Attachment 1: Field Data Records
Attachment 2: Category A Review February 2023 Groundwater Sampling Program
Attachment 3: Groundwater Concentration vs Time Plots 2011-2023

REFERENCES

MACTEC Engineering & Geology, P.C. (MACTEC), 2016. Interim Site Management Plan. AL Tech Specialty Steel, Site 4-01-003. March 2016.

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New York State Department of Environmental Conservation (NYSDEC), 2019. Record of Decision, Al Tech Specialty Steel, Operable Unit Number 01: Main Plant Area (MPA) and Non-Landfill portion of WMA, Operable Unit Number 04: Kromma Kill on the MPA and Adjacent Upland Soils. March 2019

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Nystrom, E.A., 2010. Groundwater quality in the Lower Hudson River Basin, New York, 2008: U.S. Geological Survey Open-File Report 2010-1197, 39 p., available only at https://pubs.usgs.gov/of/2010/1197/.

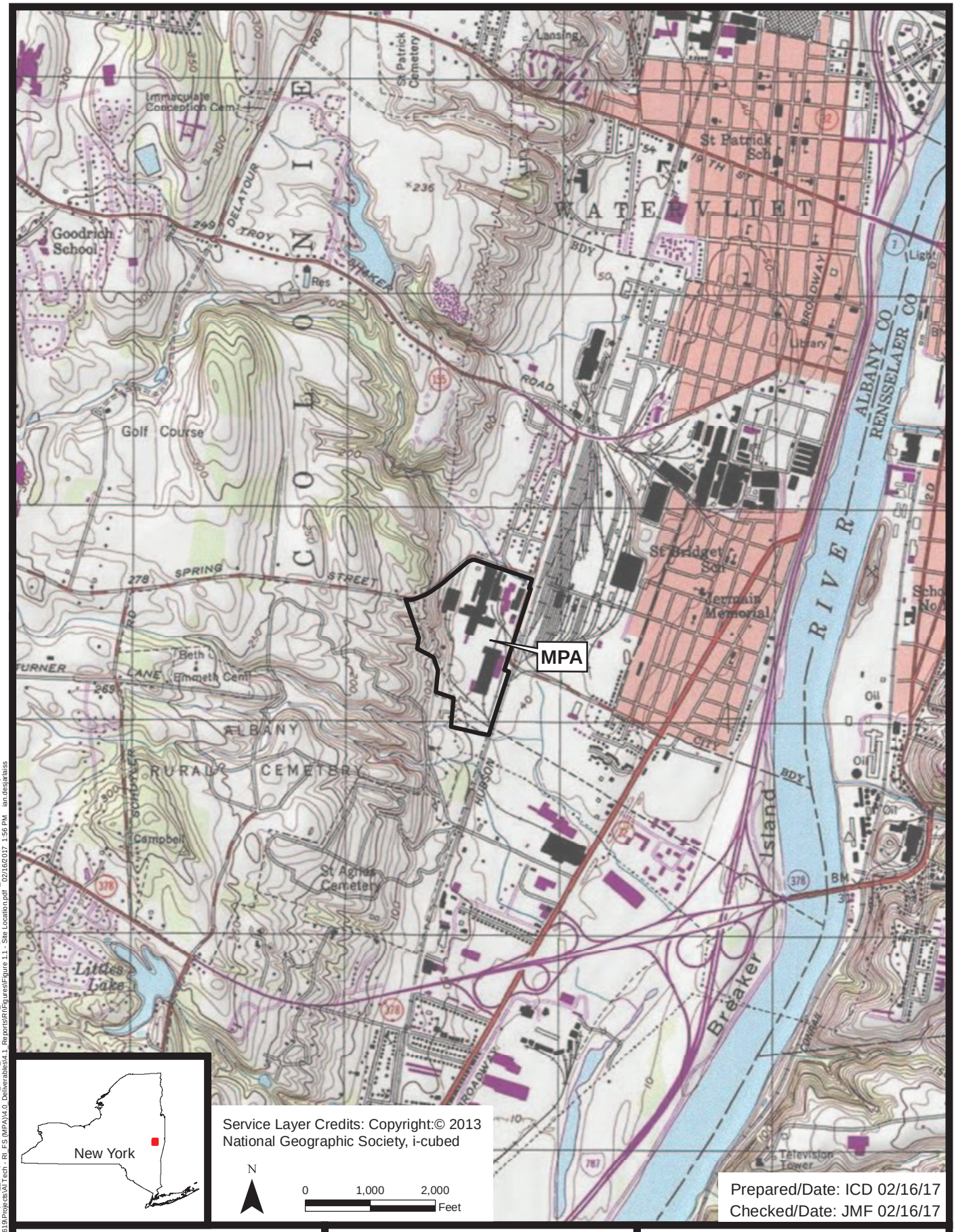
Nystrom, E.A., 2009. Ground-water quality in the Upper Hudson River Basin, New York, 2007: U.S. Geological Survey Open-File Report 2009–1240, 37 p., online only.

Nystrom, E.A., 2008. Ground-water quality in the Mohawk River Basin, New York, 2006: U.S. Geological Survey Open-File Report 2008-1086, 33 p., online only.

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

FDR	Field Data Record
GA	NY State Class GA Water Quality Standard
GV	Guidance Value
LTM	Long Term Monitoring
MACTEC	MACTEC Engineering and Geology, P.C.
MPA	Main Plant Area
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated Biphenyl
Site	AL Tech Specialty Steel Main Plant Area
SMSA	Scrap Metal Storage Area
SVOC	Semi-Volatile Organic Compounds
USGS	United States Geologic Survey
VOC	Volatile Organic Compounds

FIGURES



AL Tech Specialty Steel
NYSDEC Site # 401003
Colonie, New York

MACTEC

Site Location

Project 3616206100 Figure 1

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ysdec1\Contract D007619\Projects\AlTech - RI_FS (MPA)\4.0_Deliverables\4.1_Reports\RI\Figures\Figure 1.1 - Site Location.pdf 02/16/2017 1:56 PM lim.desjarlais

Document: P:\Projects|nysdec1\Contract D007619\Projects\Al Tech - RI_FS (MPA)\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\Groundwater\GW_LTM_Locs_2019_11x17LS.mxd PDF: P:\Projects|nysdec1\Contract D007619\Projects\Al Tech - SM\4.0_Deliverables\4.1_Reports\2019\2019 MPA LTM\Figures\Figure 2 - GW LTM Locations.pdf 10/28/2019 10:32 AM brian.peters

Legend

Well Type:
- Monitoring Well
- Microwell
- LNAPL Recovery Wells
- Approximate location of waste acid pits as determined during the RFI process
- Perimeter of Chlorobenzene Excavation
- Region Boundary
- Utility Right of Way
- Surface Waterbody

MPA LTM Monitoring Locations:
- Background
- Evaluate Concentration Trends
- Potentiometric Gauging
- Monitor and Evaluate Migration Off Site

LTM LNAPL Gauging Locations:

MELT SHOP REGION

SCRAP METAL STORAGE REGION

ROLLING MILL REGION

EXTRUSION REGION

MW-8B
MW-43
MW-15
MW-F4-01
MW-11
MW-G5-01
MW-22
MW-1
MW-1B
MW-32
MW-24
MW-17
MW-12
MW-14
MW-27R
MW-I7-04
MW-6
MW-6B
MW-5B
MW-5
MW-4B
MW-4
PES-7
MW-26B
MW-26
H-4S
H-4D
DP-09
MW-3
MW-3B
MW-19B
MW-19
PES-5
MW-18
MW-37
MW-39

Utility Right of Way
Spring Street Road
Unnamed Stream
Drainage Ditch
API Oil/Water Separator
Kromma Kill
Lincoln Ave
Kromma Kill

Prepared/Date: BRP 10/28/19
Checked/Date: NWV 10/28/19

N 0 90 180 Feet

Albany County color digital orthoimagery (2017) obtained from New York State GIS Clearinghouse at: https://gis.ny.gov

NYSDEC Site # 401003
AL Tech Specialty Steel
Colonie, New York

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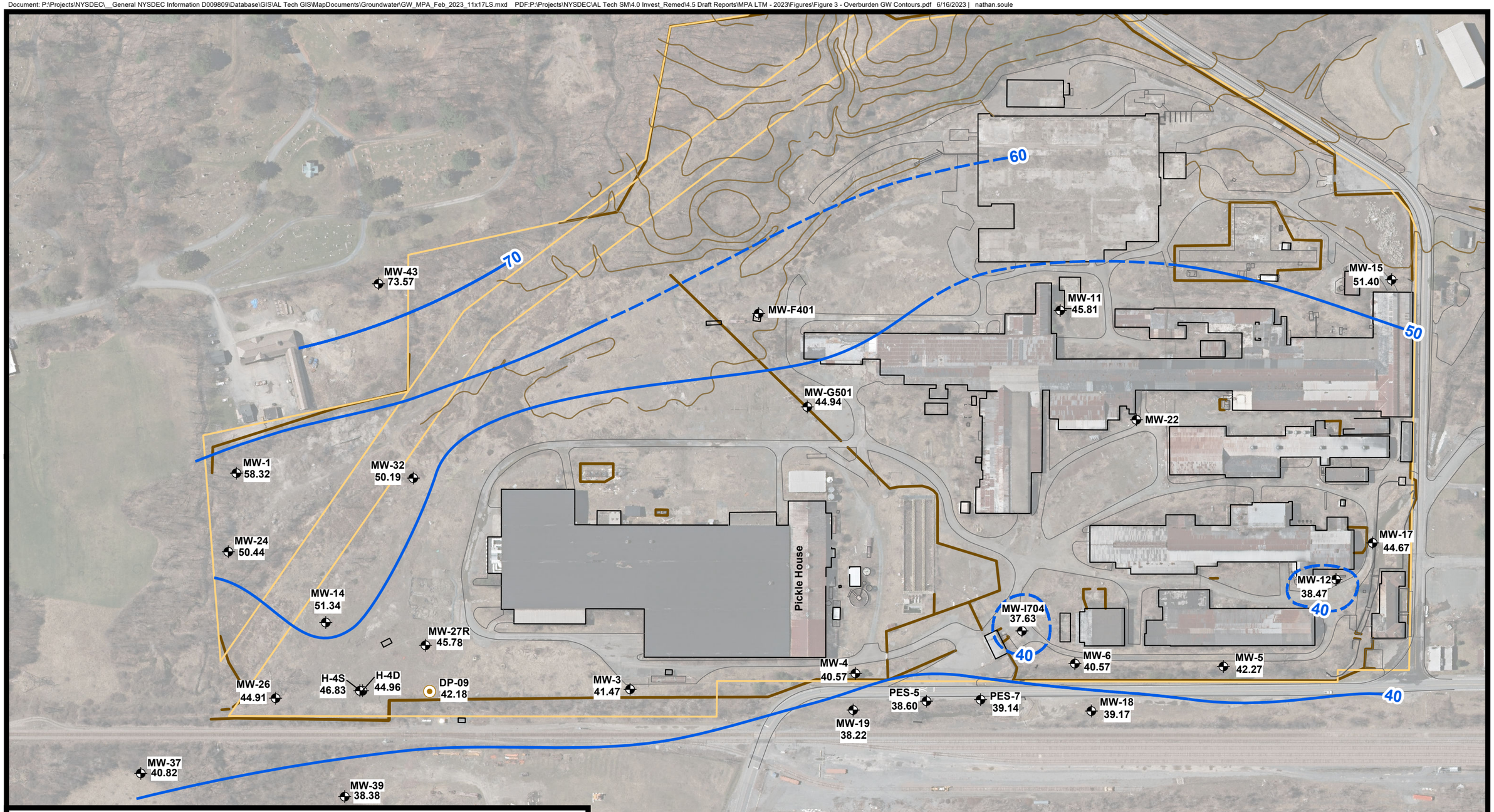
Main Plant Area Long Term Monitoring Well Locations
Project 3616206100 Figure 2



Legend

- Geoprobe Well
- Monitoring Well
  Water Elevation Data from 2/20/2023
- **43.34** Elevation (feet above msl)
- Bedrock Groundwater Elevation Contour (feet above msl)
- (Dashed where Inferred)
- Road
- Building
- 10 foot Contour
- Property/Right of Way
- Fence

N 0 100 200 Feet

Albany County color digital orthoimagery (2017) obtained from New York State GIS Clearinghouse at: https://gis.ny.gov

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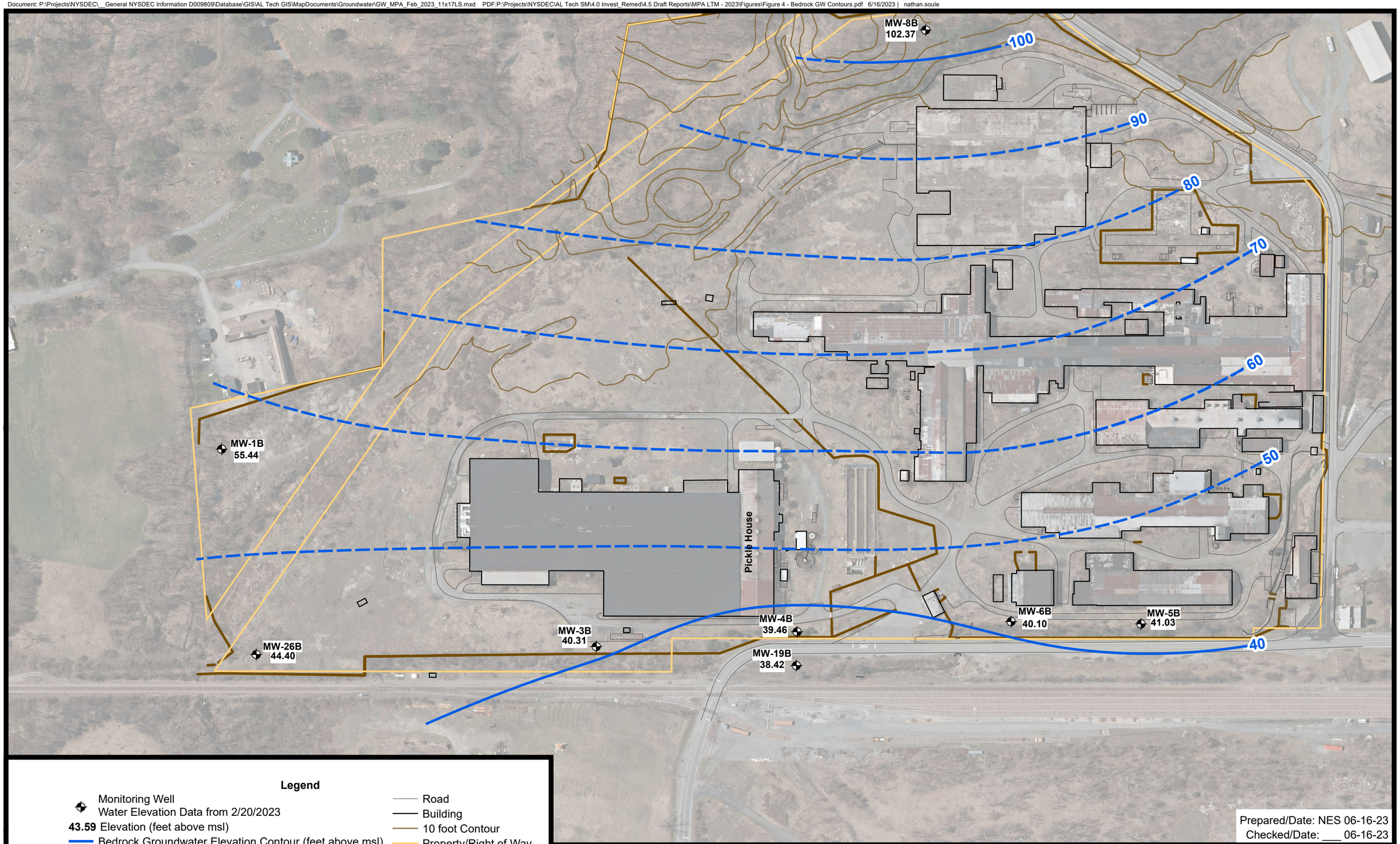
NYSDEC Site # 401003
AL Tech Specialty Steel
Colonie, New York

MACTEC

Main Plant Area - Overburden
Interpreted Groundwater Contours February 2023
Project 3616206100 Figure 3



Legend

- Monitoring Well
  Water Elevation Data from 2/20/2023
- **43.59** Elevation (feet above msl)
- Bedrock Groundwater Elevation Contour (feet above msl)
- (Dashed where Inferred)
- Road
- Building
- 10 foot Contour
- Property/Right of Way
- Fence

N 0 100 200 Feet

Albany County color digital orthoimagery (2017) obtained from New York State GIS Clearinghouse at: https://gis.ny.gov

Prepared/Date: NES 06-16-23
Checked/Date: ___ 06-16-23

NYSDEC Site # 401003
AL Tech Specialty Steel
Colonie, New York

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Main Plant Area - Bedrock
Interpreted Groundwater Contours February 2023
Project 3616206100 Figure 4

TABLES

Table 1: MPA LTM Water Levels - February 20, 2023

Well ID	Depth to Water (ft TOR)	Historical Depth to BOW (ft TOR)	Stickup on casing (ft)	Dist. TOC to TOR (ft)	MP Elevation (ft msl)	GW Elevation (ft)	Monitored Zone
MW-1	8.86	20.1	2.4	0.29	67.18	58.32	overburden
MW-1B	11.46	40.2	1.9	0.15	66.90	55.44	bedrock
MW-3	13.17	21.8	2.2	0.16	54.64	41.47	overburden
MW-3B	14.00	52.3	2.1	0.19	54.31	40.31	bedrock
MW-4	12.69	19.9	2.1	0.20	53.26	40.57	overburden
MW-4B	14.09	51.2	2.5	0.21	53.55	39.46	bedrock
MW-5	9.08	20.9	2.6	0.22	51.35	42.27	overburden
MW-5B	10.22	61.8	1.2	0.08	51.25	41.03	bedrock
MW-6	10.64	18.5	2.1	0.15	51.21	40.57	overburden
MW-6B	11.70	65.4	1.7	0.27	51.80	40.10	bedrock
MW-8B	17.94	45.3	3.3	0.59	120.31	102.37	bedrock
MW-11	7.64	16.0	1.8	0.55	53.45	45.81	overburden
MW-12	9.40	18.6	1.9	0.67	47.87	38.47	overburden
MW-14	5.59	16.6	1.7	0.52	56.93	51.34	overburden
MW-15	3.61	12.7	2.2	0.67	55.01	51.40	overburden
MW-17	4.78	14.0	0.0	0.17	49.45	44.67	overburden
MW-18	8.00	18.2	1.9	0.28	47.17	39.17	overburden
MW-19	9.81	24.4	2.7	0.82	48.03	38.22	overburden
MW-19B	9.74	44.8	2.0	0.17	48.16	38.42	bedrock
MW-22	LNAPL	15.3	0.0	0.18	**	NA	overburden
H-4S	8.44	17.1	2.6	0.19	55.27	46.83	overburden
H-4D	10.40	26.4	2.6	0.22	55.36	44.96	overburden
MW-24	13.86	21.6	2.6	0.12 AC	64.30	50.44	overburden
MW-26	8.31	17.9	2.5	0.00	53.22	44.91	overburden
MW-26B	9.04	44.3	2.8	0.03	53.44	44.40	bedrock
MW-27R	7.99	19.5	2.3	0.25	53.77	45.78	overburden
MW-32	8.43	17.2	2.7	0.12	58.62	50.19	overburden
MW-37	6.13	22.0	3.6	0.60	46.95	40.82	overburden
MW-39	9.25	22.2	2.7	0.17	47.63	38.38	overburden
MW-43	5.03	13.9	3.4	0.87	78.60	73.57	overburden
MW-F401*	LNAPL	15.9	3.3	0.27	64.31	NA	overburden
MW-G501	12.56	19.1	3.6	0.49	57.50	44.94	overburden
MW-I704	10.75	22.7	2.7	0.31	48.38	37.63	overburden
DP-09	9.38	17.3	3.5	0.12	51.56	42.18	overburden
PES-5	7.89	13.2	0.0	0.19	46.49	38.60	overburden
PES-7	7.33	13.9	0.0	0.21	46.47	39.14	overburden

Notes:
MP Elevations from "Year 5 Annual Monitoring Report" (RealCo Inc., 2005)

TOR=Top of Riser
TOC=Top of Casing
BOW=Bottom of Well
MP=Monitoring Point
ft=Feet
AC = Above casing

NA=Not Available
* = Estimate 1 foot of LNAPL in 1" well.
** - monitoring point elevation information is not available, newly installed replacement wells.

Prepared by: JKR 4/12/23
Reviewed by: NWV 6/5/23

Table 2 : Sample and Analysis- February 2023

		PCBs	Select Metals	Dissolved Select Metals*	Cr+6	VOCs	SVOCs	TPH/ Hydrocarbons	Ammonia	Fluoride	Nitrate	Sulfate
	Method	**8082**	**6010B/ 7470A**	**6010C-Mod**	**7199**	**8260c**	**8270d**	**8015/ 310.13**	**E350.1**	**E300.0**	**E353.2**	**E300.0**
Background												
MW-8B	40100308B38XX	X	X		X	X	X	X	X	X	X	X
MW-43	401003MW4309XX	X	X		X	X	X	NA	NA	NA	NA	NA
MW-15	401003MW1507XX	X	X		X	X	X	X	X	X	X	X
MW-17	401003MW1707XX	X	X		X	X	X	X	X	X	X	X
Chlorobenzene Wells												
DP-09	401003DP0912XX					X						
MW-27R	401003MW27R12XX					X						
Extrusion Region												
MW-3	401003MW0315XX	X	X									
MW-3B	401003MW03B45XX	X		X								
Rolling Mill Region												
MW-5	401003MW0513XX	X	X			X	X	X				
MW-5B	401003MW05B54XX	X		X		X	X	X				
MW-6	401003MW0612XX	X	X			X	X	X				
MW-6B	401003MW06B59XX	X	X			X	X	X				
MW-12	401003MW1211XX	X	X									
MW-18	401003MW1813XX	X	X			X	X	X				
MW-22	401003MW2214XX	X	X			X	X					
MW-G501	401003MWG50111XX	X		X		X	X					
MW-I704	401003MWI70413XX	X	X			X	X					
PES-7	401003PES0712XX	X	X			X	X	X				
Melt Shop Region												
MW-11	401003MW1111XX	X	X									
Scrap Metal Storage Area Region												
MW-1	401003MW0120XX	X	X		X							
MW-1B	401003MW1B32XX	X	X		X							
MW-32	401003MW03209XX	X	X		X							
MW-14	401003MW1412XX	X	X		X							
MW-24	401003MW2413XX	X	X		X							
MW-26	401003MW2610XX	X	X		X							
MW-26B	401003MW26B37XX	X	X		X							
MW-37	401003MW3714XX	X	X		X							
MW-39	401003MW3914XX	X	X		X							
H-4D	401003MWH4022XX	X	X		X							
H-4S	401003MWH4510XX	X	X		X							
Waste Acid Pit Area												
MW-4	401003MW0413XX	X	X			X	X	X	X	X	X	X
MW-4B	401003MW04B46XX	X	X			X	X	X	X	X	X	X
MW-19	401003MW1918XX	X	X			X	X	X	X	X	X	X
MW-19B	401003MW19B38XX	X	X			X	X	X	X	X	X	X
PES-5	401003PES0512XX	X	X			X	X	X	X	X	X	X
	Total Samples	33	30	3	15	20	18	14	8	8	8	8

NOTES:
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
TPH = Total Petroleum Hydrocarbons
X = Analysis Conducted
NA = Not analyzed
MW-43 - Highlighted analytes not analyzed due to error on Chain of Custody.
* Field filtered dissolved metals samples are collected for locations with turbidity greater than 25 NTU. An unfiltered sample for total metals is not collected.

Table 3: Organic Constituents Detected in Groundwater

					BACKGROUND								CHLOROBENZENE AREA			
				Location	MW-8B		MW-15		MW-17		MW-43		DP-09		MW-27R	
				Field Sample Date	2/21/2023		2/21/2023		2/23/2023		2/21/2023		2/20/2023		2/20/2023	
				Field Sample ID	401003-MW08B38XX		401003-MW1507XX		401003-MW1707XX		401003-MW4309XX		401003-DP0912XX		401003-MW27R12XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)																
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L	1	U	1	U	1	U	1	U	1	U	**7.3**	
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L	1	U	1	U	1	U	1	U	1	U	**1.1**	
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L	1	U	1	U	1	U	1	U	1	U	**11**	
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L	1	U	1	U	1	U	1	U	1	U	**12**	
SW8260C	Benzene	1	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Chlorobenzene	5	NS	µg/L	1	U	1	U	1	U	1	U	1	U	**8.6**	
SW8260C	Cyclohexane	NS	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Isopropylbenzene	5	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Methyl cyclohexane	NS	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	Propylbenzene	5	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
SW8260C	sec-Butylbenzene	5	NS	µg/L	1	U	1	U	1	U	1	U	1	U	1	U
Semi-Volatile Organic Comounds (SVOCs)																
SW8270D	2-Methylnaphthalene	NS	NS	µg/L	5	U	5.7	U	5	U	5	U				
SW8270D	Acenaphthene	NS	20	µg/L	5	U	5.7	U	5	U	5	U				
SW8270D	Dibenzofuran	NS	NS	µg/L	10	U	11	U	10	U	10	U				
SW8270D	Diethylphthalate	NS	50	µg/L	5	U	5.7	U	5	U	**6.3**					
SW8270D	Fluorene	NS	50	µg/L	5	U	5.7	U	5	U	5	U				
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L	5	U	5.7	U	5	U	5	U				
SW8270D	Phenanthrene	NS	50	µg/L	5	U	5.7	U	5	U	5	U				
Polychlorinated Biphenyls (PCBs)																
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.06	U	0.057	U	0.057	U	0.061	U				
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.06	U	0.057	U	0.057	U	0.061	U				
SW8082A	Total PCBs	0.09	NS	µg/L	0.06	U	0.057	U	0.057	U	0.061	U				
Hydrocarbons																
SW8015D	Diesel Range Organics	NS	NS	µg/L	520	U	540	U	500	U						
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L												

Note:

µg/L = micrograms per liter

GA = NY State Class GA Water Quality Standard

GV = Guidance Value

NS = no standard/guidance

Shaded result = exceeds GA or GV criteria

U = not detected

J = result is estimated

UJ = target analyte is not detected, result value is estimated

blank cells = not analyzed

FS = Field Sample

Table 3: Organic Constituents Detected in Groundwater

					EXTRUSION REGION				ROLLING MILL REGION							
				Location	MW-3		MW-3B		MW-12		MW-22		MW-G501		MW-I704	
				Field Sample Date	2/20/2023		2/23/2023		2/23/2023		2/23/2023		2/22/2023		2/22/2023	
				Field Sample ID	401003-MW0315XX		401003-MW03B45XX		401003-MW1211XX		401003-MW2214XX		401003-MWG50111XX		401003-MWI7043XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)																
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L							1	U	1	U	4	U
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L							1	U	1	U	4	U
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L							1	U	1	U	4	U
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L							1	U	1	U	4	U
SW8260C	Benzene	1	NS	µg/L							**0.92**	J	1	U	4	U
SW8260C	Chlorobenzene	5	NS	µg/L							1	U	1	U	4	U
SW8260C	Cyclohexane	NS	NS	µg/L							**7.3**		1	U	4	U
SW8260C	Isopropylbenzene	5	NS	µg/L							**12**		1	U	4	U
SW8260C	Methyl cyclohexane	NS	NS	µg/L							**8.2**		1	U	4	U
SW8260C	Propylbenzene	5	NS	µg/L							**15**		1	U	4	U
SW8260C	sec-Butylbenzene	5	NS	µg/L							**4.2**		1	U	4	U
Semi-Volatile Organic Comounds (SVOCs)																
SW8270D	2-Methylnaphthalene	NS	NS	µg/L							**130**		5	U	25	U
SW8270D	Acenaphthene	NS	20	µg/L							**11**	J	5	U	**10**	J
SW8270D	Dibenzofuran	NS	NS	µg/L							**6.3**	J	10	U	50	U
SW8270D	Diethylphthalate	NS	50	µg/L							25	U	5	U	25	U
SW8270D	Fluorene	NS	50	µg/L							**9.1**	J	5	U	**10**	J
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L							25	U	5	U	**5.8**	J
SW8270D	Phenanthrene	NS	50	µg/L							**9.3**	J	5	U	25	U
Polychlorinated Biphenyls (PCBs)																
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.057	U	0.057	U	0.058	U	0.058	U	0.057	U	0.059	U
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.057	U	0.057	U	0.058	U	0.058	U	0.057	U	0.059	U
SW8082A	Total PCBs	0.09	NS	µg/L	0.057	U	0.057	U	0.058	U	0.058	U	0.057	U	0.059	U
Hydrocarbons																
SW8015D	Diesel Range Organics	NS	NS	µg/L												
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L												

Note:

µg/L = micrograms per liter

GA = NY State Class GA Water Quality Standard

GV = Guidance Value

NS = no standard/guidance

Shaded result = exceeds GA or GV criteria

U = not detected

J = result is estimated

UJ = target analyte is not detected, result value is estimated

blank cells = not analyzed

FS = Field Sample

Table 3: Organic Constituents Detected in Groundwater

					ROLLING MILL REGION											
				Location	MW-5		MW-5B		MW-6		MW-6B		MW-18		PES-7	
				Field Sample Date	2/22/2023		2/23/2023		2/23/2023		2/22/2023		2/21/2023		2/21/2023	
				Field Sample ID	401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX		401003-MW1813XX		401003-PES0712XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)																
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Benzene	1	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Chlorobenzene	5	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Cyclohexane	NS	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Isopropylbenzene	5	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Methyl cyclohexane	NS	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	Propylbenzene	5	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
SW8260C	sec-Butylbenzene	5	NS	µg/L	1	U	1	U	2	U	1	U	1	U	2	U
Semi-Volatile Organic Comounds (SVOCs)																
SW8270D	2-Methylnaphthalene	NS	NS	µg/L	5.2	U	5.2	U	5.2	U	5	U	5	U	25	U
SW8270D	Acenaphthene	NS	20	µg/L	5.2	U	5.2	U	**4.5**	J	5	U	5	U	**2.4**	J
SW8270D	Dibenzofuran	NS	NS	µg/L	10	U	10	U	10	U	10	U	10	U	50	U
SW8270D	Diethylphthalate	NS	50	µg/L	5.2	U	5.2	U	5.2	U	5	U	5	U	25	U
SW8270D	Fluorene	NS	50	µg/L	5.2	U	5.2	U	5.2	U	5	U	5	U	25	U
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L	5.2	U	5.2	U	**2.6**	J	5	U	5	U	25	U
SW8270D	Phenanthrene	NS	50	µg/L	5.2	U	5.2	U	5.2	U	5	U	5	U	25	U
Polychlorinated Biphenyls (PCBs)																
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.058	U	0.057	U	0.059	UJ	0.058	U	0.057	U	0.058	U
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.058	U	0.057	U	0.059	UJ	0.058	U	0.057	U	0.058	U
SW8082A	Total PCBs	0.09	NS	µg/L	0.058	U	0.057	U	0.059	UJ	0.058	U	0.057	U	0.058	U
Hydrocarbons																
SW8015D	Diesel Range Organics	NS	NS	µg/L	520	U	520	U	**980**		500	U	500	U	**700**	
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L											**600**	

Note:

µg/L = micrograms per liter

GA = NY State Class GA Water Quality Standard

GV = Guidance Value

NS = no standard/guidance

Shaded result = exceeds GA or GV criteria

U = not detected

J = result is estimated

UJ = target analyte is not detected, result value is estimated

blank cells = not analyzed

FS = Field Sample

Table 3: Organic Constituents Detected in Groundwater

					MELT SHOP		SCRAP METAL STORAGE AREA REGION									
				Location	MW-11		MW-1		MW-1B		MW-14		MW-24		MW-26	
				Field Sample Date	2/22/2023		2/23/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023	
				Field Sample ID	401003-MW1111XX		401003-MW0120XX		401003-MW1B32XX		401003-MW1412XX		401003-MW2413XX		401003-MW2610XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)																
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L												
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L												
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L												
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L												
SW8260C	Benzene	1	NS	µg/L												
SW8260C	Chlorobenzene	5	NS	µg/L												
SW8260C	Cyclohexane	NS	NS	µg/L												
SW8260C	Isopropylbenzene	5	NS	µg/L												
SW8260C	Methyl cyclohexane	NS	NS	µg/L												
SW8260C	Propylbenzene	5	NS	µg/L												
SW8260C	sec-Butylbenzene	5	NS	µg/L												
Semi-Volatile Organic Comounds (SVOCs)																
SW8270D	2-Methylnaphthalene	NS	NS	µg/L												
SW8270D	Acenaphthene	NS	20	µg/L												
SW8270D	Dibenzofuran	NS	NS	µg/L												
SW8270D	Diethylphthalate	NS	50	µg/L												
SW8270D	Fluorene	NS	50	µg/L												
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L												
SW8270D	Phenanthrene	NS	50	µg/L												
Polychlorinated Biphenyls (PCBs)																
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.059 U		0.062 U		0.06 U		**0.079**		0.061 U		0.057 U	
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.059 U		0.062 U		0.06 U		0.058 U		0.061 U		0.057 U	
SW8082A	Total PCBs	0.09	NS	µg/L	0.059 U		0.062 U		0.06 U		**0.079**		0.061 U		0.057 U	
Hydrocarbons																
SW8015D	Diesel Range Organics	NS	NS	µg/L												
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L												

Note:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
J = result is estimated
UJ = target analyte is not detected, result value is estimated
blank cells = not analyzed
FS = Field Sample

Table 3: Organic Constituents Detected in Groundwater

					SCRAP METAL STORAGE AREA REGION											
				Location	MW-26B		MW-32		H-4D		H-4S		MW-37		MW-39	
				Field Sample Date	2/21/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023	
				Field Sample ID	401003-MW26B37XX		401003-MW3209XX		401003-H4D22XX		401003-H4S10XX		401003-MW3714XX		401003-MW3914XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)																
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L												
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L												
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L												
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L												
SW8260C	Benzene	1	NS	µg/L												
SW8260C	Chlorobenzene	5	NS	µg/L												
SW8260C	Cyclohexane	NS	NS	µg/L												
SW8260C	Isopropylbenzene	5	NS	µg/L												
SW8260C	Methyl cyclohexane	NS	NS	µg/L												
SW8260C	Propylbenzene	5	NS	µg/L												
SW8260C	sec-Butylbenzene	5	NS	µg/L												
Semi-Volatile Organic Comounds (SVOCs)																
SW8270D	2-Methylnaphthalene	NS	NS	µg/L												
SW8270D	Acenaphthene	NS	20	µg/L												
SW8270D	Dibenzofuran	NS	NS	µg/L												
SW8270D	Diethylphthalate	NS	50	µg/L												
SW8270D	Fluorene	NS	50	µg/L												
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L												
SW8270D	Phenanthrene	NS	50	µg/L												
Polychlorinated Biphenyls (PCBs)																
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.057 U		**0.19**		0.058 U		0.063 U		0.057 U		0.06 U	
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.057 U		0.062 U		0.058 U		**0.44**		0.057 U		0.06 U	
SW8082A	Total PCBs	0.09	NS	µg/L	0.057 U		**0.19**		0.058 U		**0.44**		0.057 U		0.06 U	
Hydrocarbons																
SW8015D	Diesel Range Organics	NS	NS	µg/L												
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L												

Note:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
J = result is estimated
UJ = target analyte is not detected, result value is estimated
blank cells = not analyzed
FS = Field Sample

Table 3: Organic Constituents Detected in Groundwater

					WASTE ACID PIT AREA									
				Location	MW-4		MW-4B		MW-19		MW-19B		PES-5	
				Field Sample Date	2/22/2023		2/22/2023		2/22/2023		2/22/2023		2/22/2023	
				Field Sample ID	401003-MW0413XX		401003-MW04B46XX		401003-MW1918XX		401003-MW19B38XX		401003-PES0512XX	
				Qc Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatile Organic Compounds (VOCs)														
SW8260C	1,2,4-Trichlorobenzene	5	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	1,2-Dichlorobenzene	3	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	1,3-Dichlorobenzene	3	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	1,4-Dichlorobenzene	3	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Benzene	1	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Chlorobenzene	5	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Cyclohexane	NS	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Isopropylbenzene	5	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Methyl cyclohexane	NS	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	Propylbenzene	5	NS	µg/L	2	U	1	U	1	U	1	U	1	U
SW8260C	sec-Butylbenzene	5	NS	µg/L	2	U	1	U	1	U	1	U	1	U
Semi-Volatile Organic Comounds (SVOCs)														
SW8270D	2-Methylnaphthalene	NS	NS	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
SW8270D	Acenaphthene	NS	20	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
SW8270D	Dibenzofuran	NS	NS	µg/L	10	U	10	U	10	U	10	U	10	U
SW8270D	Diethylphthalate	NS	50	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
SW8270D	Fluorene	NS	50	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
SW8270D	N-Nitrosodiphenylamine	NS	50	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
SW8270D	Phenanthrene	NS	50	µg/L	5.2	U	5.2	U	5	U	5	U	5.2	U
Polychlorinated Biphenyls (PCBs)														
SW8082A	Aroclor-1254	0.09	NS	µg/L	0.057	U	0.057	U	0.059	U	0.063	U	0.057	U
SW8082A	Aroclor-1260	0.09	NS	µg/L	0.057	U	0.057	U	0.059	U	0.063	U	0.057	U
SW8082A	Total PCBs	0.09	NS	µg/L	0.057	U	0.057	U	0.059	U	0.063	U	0.057	U
Hydrocarbons														
SW8015D	Diesel Range Organics	NS	NS	µg/L	**590**		520	U	540	U	500	U	500	U
SW8015D	Petroleum Hydrocarbons C10-C20	NS	NS	µg/L										

Note:

µg/L = micrograms per liter

GA = NY State Class GA Water Quality Standard

GV = Guidance Value

NS = no standard/guidance

Shaded result = exceeds GA or GV criteria

U = not detected

J = result is estimated

UJ = target analyte is not detected, result value is estimated

blank cells = not analyzed

FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					BACKGROUND								CHLOROBENZENE AREA			
				Location	MW-8B		MW-15		MW-17		MW-43		MW-27R		DP-09	
				Field Sample Date	2/21/2023		2/21/2023		2/23/2023		2/21/2023					
				Field Sample ID	401003-MW08B38XX		401003-MW1507XX		401003-MW1707XX		401003-MW4309XX		401003-MW27R12XX		401003-DP0912XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals																
SW6010C	Arsenic	25	NS	µg/L	15	U	15	U	15	U	15	U				
SW6010C	Barium	1000	NS	µg/L	**31**		**110**		**62**		**42**					
SW6010C	Chromium	50	NS	µg/L	4	U	4	U	4	U	4	U				
SW6010C	Copper	200	NS	µg/L	10	U	10	U	**1.7**	J	10	U				
SW6010C	Lead	25	NS	µg/L	10	U	10	U	10	U	10	U				
SW6010C	Manganese	300	NS	µg/L	**480**		**220**		**570**		**80**					
SW6010C	Molybdenum*	180	NS	µg/L	10	U	**93**		**31**		10	U				
SW6010C	Nickel	100	NS	µg/L	10	U	**11**		**1.6**	J	10	U				
SW6010C	Selenium	10	NS	µg/L	25	U	25	U	25	U	25	U				
SW7199	Chromium, Hexavalent	50	NS	µg/L	5.5	UJ	5.5	U	5.5	U	5.5	UJ				
Inorganic Constituents																
E350.1	Ammonium	NS	NS	µg/L	**640**		20	U	20	U						
E300.0	Fluoride	1500	NS	µg/L	**430**		**330**		**650**							
E300.0	Sulfate	250000	NS	µg/L	**394000**		**89400**		**114000**							
E353.2	Nitrate as N	10000	NS	µg/L	**32**	J	50	U	**100**							

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					EXTRUSION REGION				ROLLING MILLS REGION							
				Location	MW-3		MW-3B		MW-12		MW-22		MW-G501		MW-I704	
				Field Sample Date	2/20/2023		2/23/2023		2/23/2023		2/23/2023		2/22/2023		2/22/2023	
				Field Sample ID	401003-MW0315XX		401003-MW03B45XX		401003-MW1211XX		401003-MW2214XX		401003-MWG50111XX		401003-MWI7043XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals																
SW6010C	Arsenic	25	NS	µg/L	15	U	15	U	15	U	15	U	15	U	**7.4**	J
SW6010C	Barium	1000	NS	µg/L	**59**		**2300**		**94**		**200**		**130**		**170**	
SW6010C	Chromium	50	NS	µg/L	**1.1**	J	4	U	4	U	**2.3**	J	**2.2**	J	**1.4**	J
SW6010C	Copper	200	NS	µg/L	10	U	**1.7**	J	**1.7**	J	**1.9**	J	**3.9**	J	**2**	J
SW6010C	Lead	25	NS	µg/L	10	U	10	U	10	U	10	U	10	U	10	U
SW6010C	Manganese	300	NS	µg/L	**17**		**24**		**6800**		**3900**		**4000**		**2800**	
SW6010C	Molybdenum*	180	NS	µg/L	10	U	10	U	**250**		**11**		**9**	J	10	U
SW6010C	Nickel	100	NS	µg/L	**1.6**	J	10	U	**3.9**	J	**21**		**64**		**1.5**	J
SW6010C	Selenium	10	NS	µg/L	25	U	25	U	25	U	25	U	25	U	25	U
SW7199	Chromium, Hexavalent	50	NS	µg/L												
Inorganic Constituents																
E350.1	Ammonium	NS	NS	µg/L												
E300.0	Fluoride	1500	NS	µg/L												
E300.0	Sulfate	250000	NS	µg/L												
E353.2	Nitrate as N	10000	NS	µg/L												

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					ROLLING MILLS REGION											
				Location	MW-5		MW-5B		MW-6		MW-6B		MW-18		PES-7	
				Field Sample Date	2/22/2023		2/23/2023		2/23/2023		2/22/2023		2/21/2023		2/21/2023	
				Field Sample ID	401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX		401003-MW1813XX		401003-PES0712XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals																
SW6010C	Arsenic	25	NS	µg/L	15	U	15	U	**23**		15	U	15	U	**8.4**	J
SW6010C	Barium	1000	NS	µg/L	**160**		**1400**		**790**		**5900**		**230**		**240**	
SW6010C	Chromium	50	NS	µg/L	4	U	4	U	4	U	4	U	4	U	4	U
SW6010C	Copper	200	NS	µg/L	10	U	**1.6**	J	10	U	10	U	**1.9**	J	10	U
SW6010C	Lead	25	NS	µg/L	10	U	10	U	**4.4**	J	10	U	10	U	**3.6**	J
SW6010C	Manganese	300	NS	µg/L	**1200**		**27**		**5800**		**370**		**10900**		**4200**	
SW6010C	Molybdenum*	180	NS	µg/L	**33**		10	U	**17**		10	U	10	U	**5.4**	J
SW6010C	Nickel	100	NS	µg/L	10	U	10	U	10	U	10	U	**2.2**	J	**1.4**	J
SW6010C	Selenium	10	NS	µg/L	25	U	25	U	25	U	25	U	25	U	25	U
SW7199	Chromium, Hexavalent	50	NS	µg/L												
Inorganic Constituents																
E350.1	Ammonium	NS	NS	µg/L												
E300.0	Fluoride	1500	NS	µg/L												
E300.0	Sulfate	250000	NS	µg/L												
E353.2	Nitrate as N	10000	NS	µg/L												

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					MELT SHOP		SCRAP METAL STORAGE AREA REGION											
				Location	MW-11		MW-1		MW-1B		MW-14		MW-24		MW-26			
				Field Sample Date	2/22/2023		2/23/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023			
				Field Sample ID	401003-MW1111XX		401003-MW0120XX		401003-MW1B32XX		401003-MW1412XX		401003-MW2413XX		401003-MW2610XX			
				Qc Code	FS		FS		FS		FS		FS		FS			
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
Metals																		
SW6010C	Arsenic	25	NS	µg/L	**6.4**	J	15	U	15	U	15	U	15	U	15	U		
SW6010C	Barium	1000	NS	µg/L	**200**		**57**		**4600**		**280**		**120**		**380**			
SW6010C	Chromium	50	NS	µg/L	4	U	**290**		4	U	**1.8**	J	**640**		**400**			
SW6010C	Copper	200	NS	µg/L	**2**	J	**6.5**	J	**2.2**	J	10	U	**3.2**	J	**1.8**	J		
SW6010C	Lead	25	NS	µg/L	10	U	10	U	10	U	10	U	10	U	10	U		
SW6010C	Manganese	300	NS	µg/L	**3600**		**3.1**		**630**		**870**		**600**		**9.7**			
SW6010C	Molybdenum*	180	NS	µg/L	**450**		**1200**		10	U	**180**		**610**		**350**			
SW6010C	Nickel	100	NS	µg/L	**4.8**	J	**1.3**	J	10	U	**1.4**	J	**2.8**	J	**65**			
SW6010C	Selenium	10	NS	µg/L	25	U	**79**		25	U	25	U	**320**		25	U		
SW7199	Chromium, Hexavalent	50	NS	µg/L			**270**		5.5	U	5.5	U	**470**	J	**350**			
Inorganic Constituents																		
E350.1	Ammonium	NS	NS	µg/L														
E300.0	Fluoride	1500	NS	µg/L														
E300.0	Sulfate	250000	NS	µg/L														
E353.2	Nitrate as N	10000	NS	µg/L														

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					SCRAP METAL STORAGE AREA REGION											
				Location	MW-26B		MW-32		H-4D		H-4S		MW-37		MW-39	
				Field Sample Date	2/21/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023	
				Field Sample ID	401003-MW26B37XX		401003-MW3209XX		401003-H4D22XX		401003-H4S10XX		401003-MW3714XX		401003-MW3914XX	
				Qc Code	FS		FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals																
SW6010C	Arsenic	25	NS	µg/L	15	U	15	U	15	U	15	U	15	U	15	U
SW6010C	Barium	1000	NS	µg/L	**1100**		**150**		**70**		**62**		**77**		**89**	
SW6010C	Chromium	50	NS	µg/L	4	U	4	U	4	U	**3.8**	J	4	U	4	U
SW6010C	Copper	200	NS	µg/L	10	U	**2.4**	J	10	U	**2.1**	J	10	U	**2.7**	J
SW6010C	Lead	25	NS	µg/L	10	U	10	U	10	U	10	U	10	U	10	U
SW6010C	Manganese	300	NS	µg/L	**19**		**3300**		**1400**		**380**		**2800**		**11600**	
SW6010C	Molybdenum*	180	NS	µg/L	10	U	**700**		10	U	10	U	10	U	10	U
SW6010C	Nickel	100	NS	µg/L	10	U	**37**		**2.1**	J	**14**		**4.2**	J	**6.4**	J
SW6010C	Selenium	10	NS	µg/L	25	U	25	U	25	U	25	U	25	U	25	U
SW7199	Chromium, Hexavalent	50	NS	µg/L	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	UJ
Inorganic Constituents																
E350.1	Ammonium	NS	NS	µg/L												
E300.0	Fluoride	1500	NS	µg/L												
E300.0	Sulfate	250000	NS	µg/L												
E353.2	Nitrate as N	10000	NS	µg/L												

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

Table 4: Inorganic Constituents Detected in Groundwater

					WASTE ACID PIT AREA									
				Location	**MW-4**		**MW-4B**		**MW-19**		**MW-19B**		**PES-5**	
				Field Sample Date	2/22/2023		2/22/2023		2/22/2023		2/22/2023		2/22/2023	
				Field Sample ID	401003-MW0413XX		401003-MW04B46XX		401003-MW1918XX		401003-MW19B38XX		401003-PES0512XX	
				Qc Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**GA**	**GV**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals														
SW6010C	Arsenic	25	NS	µg/L	**6.5**	J	15	U	15	U	15	U	15	U
SW6010C	Barium	1000	NS	µg/L	**73**		**320**		**60**		**100**		**73**	
SW6010C	Chromium	50	NS	µg/L	4	U	**3.9**	J	4	U	4	U	4	U
SW6010C	Copper	200	NS	µg/L	10	U	10	U	10	U	10	U	**3.1**	J
SW6010C	Lead	25	NS	µg/L	**3**	J	10	U	10	U	10	U	10	U
SW6010C	Manganese	300	NS	µg/L	**10800**		**1100**		**2700**		**2400**		**780**	
SW6010C	Molybdenum*	180	NS	µg/L	**74**		10	U	**5.1**	J	10	U	**51**	
SW6010C	Nickel	100	NS	µg/L	**55**		**43**		**16**		**300**		**2.1**	J
SW6010C	Selenium	10	NS	µg/L	25	U	25	U	25	U	25	U	25	U
SW7199	Chromium, Hexavalent	50	NS	µg/L										
Inorganic Constituents														
E350.1	Ammonium	NS	NS	µg/L	**160**	J+	**480**		**58**		**69**		**66**	
E300.0	Fluoride	1500	NS	µg/L	**10900**		**13500**		**13000**		**13900**		**4100**	
E300.0	Sulfate	250000	NS	µg/L	**52800**		**33300**		**36400**		**66300**		**33100**	
E353.2	Nitrate as N	10000	NS	µg/L	**1100**		**210**		**98**		**68**		50	U

Notes:
µg/L = micrograms per liter
GA = NY State Class GA Water Quality Standard
GV = Guidance Value
NS = no standard/guidance
Shaded result = exceeds GA or GV criteria
U = not detected
UJ = target analyte is not detected, result value is estimated
J = result is estimated
J+ = result is estimated with a potential high bias
* - site specific standard
blank cells = not analyzed
FS = Field Sample

ATTACHMENT 1

FIELD DATA RECORDS

Well Inspection Checklist
AL Tech Steel Main Plant Area
Site 401003

Inspection Date/Initials: 2/20/23/JKR, MHL, MDD, SBC, LF, KS

Well ID	Ground Surface to TOC (ft.)	Distance TOC to TOR (ft.)	GW to TOR (or TOC) (ft. TOR)	TOR to BOW (ft.)	Well ID Clearly Labeled (Y/N)	Guard Posts (G/F/P)	Well Lock (Y/N)	Cap on Well Riser (G/P/F)	Protective Casing (G/F/P)	Concrete Pad (G/F/P)	Comments[1]
Main Plant Area											
MW-1	2.37	0.29	8.86	20.20	Y	G	Y	G	G	G	
MW-1B	1.85	0.15	11.46	40.30	Y	G	Y	G	G	G	
MW-3	2.2	0.16	13.17	22.00	Y	G	Y	G	G	G	
MW-3B	2.1	0.19	14.00	52.50	Y	G	Y	G	G	G	
MW-4	2.1	0.2	12.69	20.00	N	G	Y	G	G	G	No cap on well
MW-4B	2.5	0.21	14.09	51.15	N	G	Y	F	G	G	No cap on well
MW-5	2.55	0.22	9.08	18.15	N	G	Y	G	G	G	
MW-5B	1.15	0.08	10.22	61.20	Y	G	Y	G	G	G	
MW-6	2.1	0.15	10.64	18.50	Y	G	N	G	G	P	Lock needs to be replaced
MW-6B	1.7	0.27	11.70	65.40	N	G	N	G	G	G	Lock needs to be replaced, big hole at base of well.
MW-8B	3.3	0.59	17.94	45.40	Y	NA	Y	G	G	G	
MW-11	1.8	0.55	7.64	15.10	Y	G	Y	G	G	P	
MW-12	0	0.32	6.34	17.20	Y	NA	Y	G	G	G	Newly replaced as a flush mount well.
MW-14	1.7	0.52	5.59	16.68	Y	G	Y	G	P	F	Casing dented at bottom
MW-15	2.2	0.67	3.61	12.00	Y	P	Y	G	F	G	Casing dented at top, guard posts knocked over.
MW-17	0	0.17	4.78	14.00	N	NA	N	G	F	G	
MW-18	1.85	0.28	8.00	18.15	Y	G	Y	G	G	P	Some heaving, 4" well.
MW-19	2.7	0.82	9.81	24.60	Y	G	Y	G	G	G	Some heaving, 4" well.
MW-19B	1.95	0.17	9.74	45.00	Y	G	Y	G	G	G	
MW-22	0	0.18	LNAPL		Y	NA	N	G	G	G	Newly replaced flush mount, LNAPL in well no water level collected.
H-4S	2.56	0.19	8.44	17.17	N	F	Y	G	F	G	PVC loose at top well showing wear and tear.
H-4D	2.6	0.22	10.4	26.43	N	F	Y	G	F	G	Well showing wear and tear.
MW-F401	3.33	0.27	LNAPL				Y				LNAPL in 1" well, no water level collected.
MW-F604	Abandoned										
MW-G501	3.62	0.49	12.56	13.32	N	NA	Y	G	G	G	Rusty cap not on well
MW-I704	2.7	0.31	10.75	22.5	Y	NA	N	G	G	G	No cap, little bent, odor
Scrap Metal Storage Area											
MW-24	2.56	0.12 AC	13.86	21.5	Y	NA	Y	G	G	G	
MW-26	2.51	0	8.31	17.43	Y	NA	Y	G	G	NA	
MW-26B	2.79	0.03	9.04	44.31	Y	NA	Y	G	G	NA	
MW-27R	2.33	0.25	7.99	19.37	Y	NA	Y	G	G	G	
MW-32	2.7	0.12	8.43	16.3	Y	NA	Y	G	G	G	
DP-09	3.52	0.12	9.38	17.62	N	NA	Y	G	G	NA	
Offsite											
MW-37	3.55	0.6	6.13	20.8	Y	NA	Y	G	G	F	Some heaving of concretepad/casing. (6")
MW-39	2.65	0.17	9.25	22.15	Y	NA	Y	G	G	G	Some heaving of concretepad/casing. (6")
PES-5	0	0.19	7.89	13.15	N	NA	N	G	G	F	
PES-7	0	0.21	7.33	13.4	N	NA	N	G	G	F	
MW-43	3.4	0.87	5.03	13.9	Y	NA	Y	G	G	F	Some heaving of concretepad/casing. (1')

Notes:

F = Fair
G = Good
N = No
P = Poor
Y = yes

AC = Above Casing.
ft. = feet
BOW = bottom of well
TOR = Top of PVC well riser
TOC = Top of protective steel casing

Created by: JKR 5/12/23
Checkjed by: NWV 6/13/23

ATTACHMENT 2

CATEGORY A REVIEW FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM

CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

1.0 INTRODUCTION

Groundwater samples were collected in February 2023 at the Al Tech Specialty Steel Site (Site) in Colonie, New York, and shipped to TestAmerica Buffalo Laboratory (TAL) located in Amherst, New York, and SGS Accutest Laboratories located in Dayton, New Jersey, for analysis. All sample analyses except hexavalent chromium were analyzed by TAL. Hexavalent chromium analyses were performed by SGS Accutest in Dayton, New Jersey. Samples were analyzed by one or more of the following United States Environmental Protection Agency (USEPA) methods:

- Volatile Organic Compounds (VOCs) by Method 8260C
- Semivolatile Organic Compounds (SVOCs) by Method 8270D
- Polychlorinated Biphenyls (PCBs) by Method 8082A
- Total and Dissolved Metals (select list) by Methods 6010C and 7470A
- Hexavalent Chromium by Method 7199
- Fluoride and Sulfate by Method 300.0
- Ammonium by Method 350.1
- Nitrate as N by Method 353.2
- Diesel Range Organics (DROs) by Method 8015D

Results were reported in the following sample delivery groups (SDGs):

- 480-206390-1
- 480-206416-1
- 480-206437-1
- JD60629
- JD60793

Sample event information included in this chemistry review is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Methods
- Table 2 – Summary of Analytical Results
- Table 3 – Summary of Qualification Actions

A summary of table notes applicable to Tables 1, 2, and 3 is presented just before Table 1.

Laboratory deliverables included:

- Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

The Category A review included the following evaluations. Data review checklists are provided as Attachment A.

- Lab Report Narrative Review
- Data Package Completeness and COC records (Table 1 verification)
- Sample Preservation and Holding Times
- QC Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike and Matrix Spike Duplicate (MS/MSD) (as applicable)
- Field Duplicates (as applicable)
- Surrogates (as applicable)
- Reporting Limits
- Electronic Data Qualification and Verification

The following laboratory data qualifiers or data review qualifiers are used in the final data presentation:

U = target analyte is not detected at or above the reporting limit
J = concentration is estimated
UJ = target analyte is not detected, value is estimated
J+ = concentration is estimated with potential high bias

Results are interpreted to be usable as reported by the laboratory or as qualified in the following section.

2.0 POTENTIAL DATA LIMITATIONS

Based on the Category A Review the data meet the data quality objectives; however, the following potential limitations were identified:

VOCs by Method 8260C

Samples 401003-MW0413XX, 401003-MW0612XX, 401003-MWI7043XX, and 401003-PES0712XX were analyzed at various dilutions. Elevated reporting limits are listed in Table 2.

SVOCs by Method 8270D

The LCS/LCSDs associated with all samples analyzed by Method 8270D had percent recoveries for caprolactam that were less than the lower QC limit. Reporting limits for caprolactam in all samples were qualified as estimated (UJ) and are listed in Table 3 with reason code LCSL.

Samples 401003-MW2214XX and 401003-MWI7043XX were analyzed at a five-fold dilution. Elevated reporting limits are listed in Table 2.

PCBs by Method 8082A

Sample 401003-MW0612XX had a percent recovery for surrogate decachlorobiphenyl that was less than the lower QC limit. Reporting limits for all PCB aroclors and Total

PCBs in the affected sample were qualified as estimated (UJ) and are listed in Table 3 with reason code SSL.

Hexavalent Chromium by Method 7199

Samples 401003-MW08B38XX, 401003-MW2413XX, 401003-MW3914XX, and 401003-MW4309XX were analyzed outside of the holding time of 24 hours. Results for hexavalent chromium in all listed samples were qualified estimated as (J/UJ) and are listed in Table 3 with reason code HT.

Ammonium by Method 350.1

The matrix spike associated with sample 401003-MW0413XX had a percent recovery for ammonium that was greater than the upper QC limit. The result for ammonium in sample 401003-MW0413XX was qualified as estimated with potential high bias (J+) and is listed in Table 3 with reason code MSH.

Reference:

NYSDEC, 2005. "Analytical Services Protocols"; July 2005.

Data Validator: Casey Cormier, MACTEC Project Chemist

Date: 3/23/2023

Reviewed by: Amber Jones, MACTEC Chemist, Technical Reviewer

Date: 3/28/2023

Standard Table Notes:

Sample Type (QC Code)

FS – field sample

FD – field duplicate

TB – trip blank

EB – equipment blank

FB – field blank

Matrix

GW – ground water

BW – blank water

TW – tap water

SV – soil vapor

SED - sediment

Units

mg/L – milligrams per liter

ng/L – nanograms per liter

µg/L – micrograms per liter

mg/kg – milligrams per kilogram

µg/kg – micrograms per kilogram

µg/m^3 – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit

J – estimated quantity

J+ - estimated quantity, biased high

J- - estimated quantity, biased low

R – data unusable

Fraction

T – total

D – dissolved

N – normal

Qualification Reason Codes

BL1 – method blank qualifier

BL2 – field or trip blank qualifier

CCV – continuing calibration verification recovery outside limits

CCV%D – continuing calibration verification percent difference exceeds goal

CCVRRF – continuing calibration relative response factor low

CI – chromatographic interference present

DCPD – dual column percent difference exceeds limit

E – result exceeds calibration range

FD – field duplicate precision goal exceeded

FP – false positive interference

HT – holding time for prep or analysis exceeded

HTG – holding time for prep or analysis grossly exceeded

ICV – initial calibration verification recovery outside limit

ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit

ISL – internal standard response less than limit

LCSH – laboratory control sample recovery high

LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded

MSH – matrix spike and/or MS duplicate recovery high

MSL – matrix spike and/or MS duplicate recovery low

MSRPD – matrix spike/duplicate relative % difference precision goal exceeded

N – analyte identification is not certain

PEM – performance evaluation mixture exceeds limit

PM – sample percent moisture exceeds EPA guideline

SD – serial dilution result exceeds percent difference limit

SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high

SSL – surrogate recovery low

TD – dissolved concentration exceeds total

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Lab Id	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO
						Method Class	VOCs	SVOCs	PCBs	Metals	Metals	Metals
						Analysis Method	SW8260C	SW8270D	SW8082A	SW6010C	SW6010C	SW7470A
						Fraction	N	N	N	T	D	T
Lab SDG	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Qc Code**		Count	Count	Count	Count	Count	Count
480-206390-1	DP-09	401003-DP0912XX	2/20/2023	GW	FS		58					
480-206390-1	H-4D	401003-H4D22XX	2/21/2023	GW	FS				10	9		1
480-206390-1	H-4S	401003-H4S10XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-14	401003-MW1412XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-15	401003-MW1507XX	2/21/2023	GW	FS		58	66	10	9		1
480-206390-1	MW-1B	401003-MW1B32XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-24	401003-MW2413XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-26	401003-MW2610XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-26B	401003-MW26B37XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-27R	401003-MW27R12XX	2/20/2023	GW	FS		58					
480-206390-1	MW-3	401003-MW0315XX	2/20/2023	GW	FS				10	9		1
480-206390-1	MW-32	401003-MW3209XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-37	401003-MW3714XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-39	401003-MW3914XX	2/21/2023	GW	FS				10	9		1
480-206390-1	MW-43	401003-MW4309XX	2/21/2023	GW	FS		58	66	10	9		1
480-206390-1	MW-8B	401003-MW08B38XX	2/21/2023	GW	FS		58	66	10	9		1
480-206390-1	PES-7	401003-PES0712XX	2/21/2023	GW	FS		58	66	10	9		1
480-206390-1	QC	401003-TRIP BLANK	2/18/2023	BW	TB		58					
480-206416-1	MW-11	401003-MW1111XX	2/22/2023	GW	FS				10	9		1
480-206416-1	MW-18	401003-MW1813XX	2/21/2023	GW	FS		58	66	10	9		1
480-206416-1	MW-19	401003-MW1918XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	MW-19B	401003-MW19B38XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	MW-4	401003-MW0413XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	MW-4B	401003-MW04B46XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	MW-G501	401003-MWG50111XX	2/22/2023	GW	FS		58	66	10		9	
480-206416-1	MW-I704	401003-MWI7043XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	PES-5	401003-PES0512XX	2/22/2023	GW	FS		58	66	10	9		1
480-206416-1	QC	TRIP BLANK	2/18/2023	BW	TB		58					
480-206437-1	MW-1	401003-MW0120XX	2/23/2023	GW	FS				10	9		1
480-206437-1	MW-12	401003-MW1211XX	2/23/2023	GW	FS				10	9		1
480-206437-1	MW-17	401003-MW1707XX	2/23/2023	GW	FS		58	66	10	9		1
480-206437-1	MW-22	401003-MW2214XX	2/23/2023	GW	FS		58	66	10	9		1
480-206437-1	MW-3B	401003-MW03B45XX	2/23/2023	GW	FS				10		9	

Created by: KLD 3/21/23
Checked by: CLC 3/23/23

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Lab Id	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO
					Method Class	VOCs	SVOCs	PCBs	Metals	Metals	Metals
					Analysis Method	SW8260C	SW8270D	SW8082A	SW6010C	SW6010C	SW7470A
					Fraction	N	N	N	T	D	T
Lab SDG	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Qc Code**	Count	Count	Count	Count	Count	Count
480-206437-1	MW-5	401003-MW0513XX	2/22/2023	GW	FS	58	66	10	9		1
480-206437-1	MW-5B	401003-MW05B54XX	2/23/2023	GW	FS	58	66	10		9	
480-206437-1	MW-6	401003-MW0612XX	2/23/2023	GW	FS	58	66	10	9		1
480-206437-1	MW-6B	401003-MW06B59XX	2/22/2023	GW	FS	58	66	10	9		1
480-206437-1	QC	401003-TRIPBLANK	2/18/2023	BW	TB	58					
JD60629	H-4D	401003-H4D22XX	2/21/2023	GW	FS						
JD60629	H-4S	401003-H4S10XX	2/21/2023	GW	FS						
JD60629	MW-14	401003-MW1412XX	2/21/2023	GW	FS						
JD60629	MW-15	401003-MW1507XX	2/21/2023	GW	FS						
JD60629	MW-1B	401003-MW1B32XX	2/21/2023	GW	FS						
JD60629	MW-24	401003-MW2413XX	2/21/2023	GW	FS						
JD60629	MW-26	401003-MW2610XX	2/21/2023	GW	FS						
JD60629	MW-26B	401003-MW26B37XX	2/21/2023	GW	FS						
JD60629	MW-32	401003-MW3209XX	2/21/2023	GW	FS						
JD60629	MW-37	401003-MW3714XX	2/21/2023	GW	FS						
JD60629	MW-39	401003-MW3914XX	2/21/2023	GW	FS						
JD60629	MW-43	401003-MW4309XX	2/21/2023	GW	FS						
JD60629	MW-8B	401003-MW08B38XX	2/21/2023	GW	FS						
JD60793	MW-1	401003-MW0120XX	2/23/2023	GW	FS						
JD60793	MW-17	401003-MW1707XX	2/23/2023	GW	FS						

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Lab Id	TALBFLO	ACTD	TALBFLO	TALBFLO	TALBFLO	TALBFLO
					Method Class	Metals	Hex Chrome	Anions	Ammonia	Anions	Organic Range
					Analysis Method	SW7470A	SW7199	E300.0	E350.1	E353.2	SW8015D
					Fraction	D	T	N	N	N	N
Lab SDG	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Qc Code**	Count	Count	Count	Count	Count	Count
480-206390-1	DP-09	401003-DP0912XX	2/20/2023	GW	FS						
480-206390-1	H-4D	401003-H4D22XX	2/21/2023	GW	FS						
480-206390-1	H-4S	401003-H4S10XX	2/21/2023	GW	FS						
480-206390-1	MW-14	401003-MW1412XX	2/21/2023	GW	FS						
480-206390-1	MW-15	401003-MW1507XX	2/21/2023	GW	FS			2	1	1	2
480-206390-1	MW-1B	401003-MW1B32XX	2/21/2023	GW	FS						
480-206390-1	MW-24	401003-MW2413XX	2/21/2023	GW	FS						
480-206390-1	MW-26	401003-MW2610XX	2/21/2023	GW	FS						
480-206390-1	MW-26B	401003-MW26B37XX	2/21/2023	GW	FS						
480-206390-1	MW-27R	401003-MW27R12XX	2/20/2023	GW	FS						
480-206390-1	MW-3	401003-MW0315XX	2/20/2023	GW	FS						
480-206390-1	MW-32	401003-MW3209XX	2/21/2023	GW	FS						
480-206390-1	MW-37	401003-MW3714XX	2/21/2023	GW	FS						
480-206390-1	MW-39	401003-MW3914XX	2/21/2023	GW	FS						
480-206390-1	MW-43	401003-MW4309XX	2/21/2023	GW	FS						
480-206390-1	MW-8B	401003-MW08B38XX	2/21/2023	GW	FS			2	1	1	2
480-206390-1	PES-7	401003-PES0712XX	2/21/2023	GW	FS						3
480-206390-1	QC	401003-TRIP BLANK	2/18/2023	BW	TB						
480-206416-1	MW-11	401003-MW1111XX	2/22/2023	GW	FS						
480-206416-1	MW-18	401003-MW1813XX	2/21/2023	GW	FS						2
480-206416-1	MW-19	401003-MW1918XX	2/22/2023	GW	FS			2	1	1	2
480-206416-1	MW-19B	401003-MW19B38XX	2/22/2023	GW	FS			2	1	1	2
480-206416-1	MW-4	401003-MW0413XX	2/22/2023	GW	FS			2	1	1	2
480-206416-1	MW-4B	401003-MW04B46XX	2/22/2023	GW	FS			2	1	1	2
480-206416-1	MW-G501	401003-MWG50111XX	2/22/2023	GW	FS	1					
480-206416-1	MW-I704	401003-MWI7043XX	2/22/2023	GW	FS						
480-206416-1	PES-5	401003-PES0512XX	2/22/2023	GW	FS			2	1	1	2
480-206416-1	QC	TRIP BLANK	2/18/2023	BW	TB						
480-206437-1	MW-1	401003-MW0120XX	2/23/2023	GW	FS						
480-206437-1	MW-12	401003-MW1211XX	2/23/2023	GW	FS						
480-206437-1	MW-17	401003-MW1707XX	2/23/2023	GW	FS			2	1	1	2
480-206437-1	MW-22	401003-MW2214XX	2/23/2023	GW	FS						
480-206437-1	MW-3B	401003-MW03B45XX	2/23/2023	GW	FS	1					

TABLE 1 - SUMMARY OF SAMPLES AND ANALYTICAL METHODS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Lab Id	TALBFLO	ACTD	TALBFLO	TALBFLO	TALBFLO	TALBFLO
					Method Class	Metals	Hex Chrome	Anions	Ammonia	Anions	Organic Range
					Analysis Method	SW7470A	SW7199	E300.0	E350.1	E353.2	SW8015D
					Fraction	D	T	N	N	N	N
Lab SDG	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Qc Code**	Count	Count	Count	Count	Count	Count
480-206437-1	MW-5	401003-MW0513XX	2/22/2023	GW	FS						2
480-206437-1	MW-5B	401003-MW05B54XX	2/23/2023	GW	FS	1					2
480-206437-1	MW-6	401003-MW0612XX	2/23/2023	GW	FS						2
480-206437-1	MW-6B	401003-MW06B59XX	2/22/2023	GW	FS						2
480-206437-1	QC	401003-TRIPBLANK	2/18/2023	BW	TB						
JD60629	H-4D	401003-H4D22XX	2/21/2023	GW	FS		1				
JD60629	H-4S	401003-H4S10XX	2/21/2023	GW	FS		1				
JD60629	MW-14	401003-MW1412XX	2/21/2023	GW	FS		1				
JD60629	MW-15	401003-MW1507XX	2/21/2023	GW	FS		1				
JD60629	MW-1B	401003-MW1B32XX	2/21/2023	GW	FS		1				
JD60629	MW-24	401003-MW2413XX	2/21/2023	GW	FS		1				
JD60629	MW-26	401003-MW2610XX	2/21/2023	GW	FS		1				
JD60629	MW-26B	401003-MW26B37XX	2/21/2023	GW	FS		1				
JD60629	MW-32	401003-MW3209XX	2/21/2023	GW	FS		1				
JD60629	MW-37	401003-MW3714XX	2/21/2023	GW	FS		1				
JD60629	MW-39	401003-MW3914XX	2/21/2023	GW	FS		1				
JD60629	MW-43	401003-MW4309XX	2/21/2023	GW	FS		1				
JD60629	MW-8B	401003-MW08B38XX	2/21/2023	GW	FS		1				
JD60793	MW-1	401003-MW0120XX	2/23/2023	GW	FS		1				
JD60793	MW-17	401003-MW1707XX	2/23/2023	GW	FS		1				

Created by: KLD 3/21/23
Checked by: CLC 3/23/23

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	H-4D		H-4S		MW-1		MW-11		MW-12	
					Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206437-1	
					Field Sample Date	2/21/2023		2/21/2023		2/23/2023		2/22/2023		2/23/2023	
					Field Sample ID	401003-H4D22XX		401003-H4S10XX		401003-MW0120XX		401003-MW1111XX		401003-MW1211XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.058	U	0.44		0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.058	U	0.063	U	0.062	U	0.059	U	0.058	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.058	U	0.44		0.062	U	0.059	U	0.058	U
L	Metals	SW6010C	D	Arsenic	MG/L										
L	Metals	SW6010C	D	Barium	MG/L										
L	Metals	SW6010C	D	Chromium	MG/L										
L	Metals	SW6010C	D	Copper	MG/L										
L	Metals	SW6010C	D	Lead	MG/L										
L	Metals	SW6010C	D	Manganese	MG/L										
L	Metals	SW6010C	D	Molybdenum	MG/L										
L	Metals	SW6010C	D	Nickel	MG/L										
L	Metals	SW6010C	D	Selenium	MG/L										
L	Metals	SW6010C	T	Arsenic	MG/L	0.015	U	0.015	U	0.015	U	0.0064	J	0.015	U
L	Metals	SW6010C	T	Barium	MG/L	0.07		0.062		0.057		0.2		0.094	
L	Metals	SW6010C	T	Chromium	MG/L	0.004	U	0.0038	J	0.29		0.004	U	0.004	U
L	Metals	SW6010C	T	Copper	MG/L	0.01	U	0.0021	J	0.0065	J	0.002	J	0.0017	J
L	Metals	SW6010C	T	Lead	MG/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Manganese	MG/L	1.4		0.38		0.0031		3.6		6.8	
L	Metals	SW6010C	T	Molybdenum	MG/L	0.01	U	0.01	U	1.2		0.45		0.25	
L	Metals	SW6010C	T	Nickel	MG/L	0.0021	J	0.014		0.0013	J	0.0048	J	0.0039	J
L	Metals	SW6010C	T	Selenium	MG/L	0.025	U	0.025	U	0.079		0.025	U	0.025	U
L	Metals	SW7470A	D	Mercury	MG/L										
L	Metals	SW7470A	T	Mercury	MG/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L										
L	Anions	E300.0	N	Fluoride	MG/L										
L	Ammonia	E350.1	N	Ammonium	MG/L										
L	Anions	E353.2	N	Nitrate as N	MG/L										
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L										

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	MW-14		MW-15		MW-17		MW-18		MW-19	
					Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206416-1	
					Field Sample Date	2/21/2023		2/21/2023		2/23/2023		2/21/2023		2/22/2023	
					Field Sample ID	401003-MW1412XX		401003-MW1507XX		401003-MW1707XX		401003-MW1813XX		401003-MW1918XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.079		0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.058	U	0.057	U	0.057	U	0.057	U	0.059	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.079		0.057	U	0.057	U	0.057	U	0.059	U
L	Metals	SW6010C	D	Arsenic	MG/L										
L	Metals	SW6010C	D	Barium	MG/L										
L	Metals	SW6010C	D	Chromium	MG/L										
L	Metals	SW6010C	D	Copper	MG/L										
L	Metals	SW6010C	D	Lead	MG/L										
L	Metals	SW6010C	D	Manganese	MG/L										
L	Metals	SW6010C	D	Molybdenum	MG/L										
L	Metals	SW6010C	D	Nickel	MG/L										
L	Metals	SW6010C	D	Selenium	MG/L										
L	Metals	SW6010C	T	Arsenic	MG/L	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
L	Metals	SW6010C	T	Barium	MG/L	0.28		0.11		0.062		0.23		0.06	
L	Metals	SW6010C	T	Chromium	MG/L	0.0018	J	0.004	U	0.004	U	0.004	U	0.004	U
L	Metals	SW6010C	T	Copper	MG/L	0.01	U	0.01	U	0.0017	J	0.0019	J	0.01	U
L	Metals	SW6010C	T	Lead	MG/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Manganese	MG/L	0.87		0.22		0.57		10.9		2.7	
L	Metals	SW6010C	T	Molybdenum	MG/L	0.18		0.093		0.031		0.01	U	0.0051	J
L	Metals	SW6010C	T	Nickel	MG/L	0.0014	J	0.011		0.0016	J	0.0022	J	0.016	
L	Metals	SW6010C	T	Selenium	MG/L	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
L	Metals	SW7470A	D	Mercury	MG/L										
L	Metals	SW7470A	T	Mercury	MG/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L			89.4		114				36.4	
L	Anions	E300.0	N	Fluoride	MG/L			0.33		0.65				13	
L	Ammonia	E350.1	N	Ammonium	MG/L			0.02	U	0.02	U			0.058	
L	Anions	E353.2	N	Nitrate as N	MG/L			0.05	U	0.1				0.098	
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L			0.54	U	0.5	U	0.5	U	0.54	U
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L			0.54	U	0.5	U	0.5	U	0.54	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	MW-19B		MW-1B		MW-22		MW-24		MW-26	
					Lab Sample Delivery Group	480-206416-1		480-206390-1		480-206437-1		480-206390-1		480-206390-1	
					Field Sample Date	2/22/2023		2/21/2023		2/23/2023		2/21/2023		2/21/2023	
					Field Sample ID	401003-MW19B38XX		401003-MW1B32XX		401003-MW2214XX		401003-MW2413XX		401003-MW2610XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.063	U	0.06	U	0.058	U	0.061	U	0.057	U
L	Metals	SW6010C	D	Arsenic	MG/L										
L	Metals	SW6010C	D	Barium	MG/L										
L	Metals	SW6010C	D	Chromium	MG/L										
L	Metals	SW6010C	D	Copper	MG/L										
L	Metals	SW6010C	D	Lead	MG/L										
L	Metals	SW6010C	D	Manganese	MG/L										
L	Metals	SW6010C	D	Molybdenum	MG/L										
L	Metals	SW6010C	D	Nickel	MG/L										
L	Metals	SW6010C	D	Selenium	MG/L										
L	Metals	SW6010C	T	Arsenic	MG/L	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
L	Metals	SW6010C	T	Barium	MG/L	0.1		4.6		0.2		0.12		0.38	
L	Metals	SW6010C	T	Chromium	MG/L	0.004	U	0.004	U	0.0023	J	0.64		0.4	
L	Metals	SW6010C	T	Copper	MG/L	0.01	U	0.0022	J	0.0019	J	0.0032	J	0.0018	J
L	Metals	SW6010C	T	Lead	MG/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Manganese	MG/L	2.4		0.63		3.9		0.6		0.0097	
L	Metals	SW6010C	T	Molybdenum	MG/L	0.01	U	0.01	U	0.011		0.61		0.35	
L	Metals	SW6010C	T	Nickel	MG/L	0.3		0.01	U	0.021		0.0028	J	0.065	
L	Metals	SW6010C	T	Selenium	MG/L	0.025	U	0.025	U	0.025	U	0.32		0.025	U
L	Metals	SW7470A	D	Mercury	MG/L										
L	Metals	SW7470A	T	Mercury	MG/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L	66.3									
L	Anions	E300.0	N	Fluoride	MG/L	13.9									
L	Ammonia	E350.1	N	Ammonium	MG/L	0.069									
L	Anions	E353.2	N	Nitrate as N	MG/L	0.068									
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L	0.5	U								
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L	0.5	U								

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	MW-26B		MW-3		MW-32		MW-37		MW-39	
					Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206390-1		480-206390-1		480-206390-1	
					Field Sample Date	2/21/2023		2/20/2023		2/21/2023		2/21/2023		2/21/2023	
					Field Sample ID	401003-MW26B37XX		401003-MW0315XX		401003-MW3209XX		401003-MW3714XX		401003-MW3914XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.057	U	0.057	U	0.19		0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.057	U	0.057	U	0.062	U	0.057	U	0.06	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.057	U	0.057	U	0.19		0.057	U	0.06	U
L	Metals	SW6010C	D	Arsenic	MG/L										
L	Metals	SW6010C	D	Barium	MG/L										
L	Metals	SW6010C	D	Chromium	MG/L										
L	Metals	SW6010C	D	Copper	MG/L										
L	Metals	SW6010C	D	Lead	MG/L										
L	Metals	SW6010C	D	Manganese	MG/L										
L	Metals	SW6010C	D	Molybdenum	MG/L										
L	Metals	SW6010C	D	Nickel	MG/L										
L	Metals	SW6010C	D	Selenium	MG/L										
L	Metals	SW6010C	T	Arsenic	MG/L	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
L	Metals	SW6010C	T	Barium	MG/L	1.1		0.059		0.15		0.077		0.089	
L	Metals	SW6010C	T	Chromium	MG/L	0.004	U	0.0011	J	0.004	U	0.004	U	0.004	U
L	Metals	SW6010C	T	Copper	MG/L	0.01	U	0.01	U	0.0024	J	0.01	U	0.0027	J
L	Metals	SW6010C	T	Lead	MG/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Manganese	MG/L	0.019		0.017		3.3		2.8		11.6	
L	Metals	SW6010C	T	Molybdenum	MG/L	0.01	U	0.01	U	0.7		0.01	U	0.01	U
L	Metals	SW6010C	T	Nickel	MG/L	0.01	U	0.0016	J	0.037		0.0042	J	0.0064	J
L	Metals	SW6010C	T	Selenium	MG/L	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
L	Metals	SW7470A	D	Mercury	MG/L										
L	Metals	SW7470A	T	Mercury	MG/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L										
L	Anions	E300.0	N	Fluoride	MG/L										
L	Ammonia	E350.1	N	Ammonium	MG/L										
L	Anions	E353.2	N	Nitrate as N	MG/L										
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L										

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	MW-3B		MW-4		MW-43		MW-4B		MW-5	
					Lab Sample Delivery Group	480-206437-1		480-206416-1		480-206390-1		480-206416-1		480-206437-1	
					Field Sample Date	2/23/2023		2/22/2023		2/21/2023		2/22/2023		2/22/2023	
					Field Sample ID	401003-MW03B45XX		401003-MW0413XX		401003-MW4309XX		401003-MW04B46XX		401003-MW0513XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.057	U	0.057	U	0.061	U	0.057	U	0.058	U
L	Metals	SW6010C	D	Arsenic	MG/L	0.015	U								
L	Metals	SW6010C	D	Barium	MG/L	2.3									
L	Metals	SW6010C	D	Chromium	MG/L	0.004	U								
L	Metals	SW6010C	D	Copper	MG/L	0.0017	J								
L	Metals	SW6010C	D	Lead	MG/L	0.01	U								
L	Metals	SW6010C	D	Manganese	MG/L	0.024									
L	Metals	SW6010C	D	Molybdenum	MG/L	0.01	U								
L	Metals	SW6010C	D	Nickel	MG/L	0.01	U								
L	Metals	SW6010C	D	Selenium	MG/L	0.025	U								
L	Metals	SW6010C	T	Arsenic	MG/L			0.0065	J	0.015	U	0.015	U	0.015	U
L	Metals	SW6010C	T	Barium	MG/L			0.073		0.042		0.32		0.16	
L	Metals	SW6010C	T	Chromium	MG/L			0.004	U	0.004	U	0.0039	J	0.004	U
L	Metals	SW6010C	T	Copper	MG/L			0.01	U	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Lead	MG/L			0.003	J	0.01	U	0.01	U	0.01	U
L	Metals	SW6010C	T	Manganese	MG/L			10.8		0.08		1.1		1.2	
L	Metals	SW6010C	T	Molybdenum	MG/L			0.074		0.01	U	0.01	U	0.033	
L	Metals	SW6010C	T	Nickel	MG/L			0.055		0.01	U	0.043		0.01	U
L	Metals	SW6010C	T	Selenium	MG/L			0.025	U	0.025	U	0.025	U	0.025	U
L	Metals	SW7470A	D	Mercury	MG/L	0.0002	U								
L	Metals	SW7470A	T	Mercury	MG/L			0.0002	U	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L			52.8				33.3			
L	Anions	E300.0	N	Fluoride	MG/L			10.9				13.5			
L	Ammonia	E350.1	N	Ammonium	MG/L			0.16	J+			0.48			
L	Anions	E353.2	N	Nitrate as N	MG/L			1.1				0.21			
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L			0.59				0.52	U	0.52	U
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L										
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L			0.52	U			0.52	U	0.52	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-5B		MW-6		MW-6B		MW-8B		MW-G501	
						Lab Sample Delivery Group	480-206437-1		480-206437-1		480-206437-1		480-206390-1		480-206416-1	
						Field Sample Date	2/23/2023		2/23/2023		2/22/2023		2/21/2023		2/22/2023	
						Field Sample ID	401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX		401003-MW08B38XX		401003-MWG50111XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	PCBs	SW8082A	N	Total PCBs	UG/L		0.057	U	0.059	UJ	0.058	U	0.06	U	0.057	U
L	Metals	SW6010C	D	Arsenic	MG/L		0.015	U							0.015	U
L	Metals	SW6010C	D	Barium	MG/L		1.4								0.13	
L	Metals	SW6010C	D	Chromium	MG/L		0.004	U							0.0022	J
L	Metals	SW6010C	D	Copper	MG/L		0.0016	J							0.0039	J
L	Metals	SW6010C	D	Lead	MG/L		0.01	U							0.01	U
L	Metals	SW6010C	D	Manganese	MG/L		0.027								4	
L	Metals	SW6010C	D	Molybdenum	MG/L		0.01	U							0.009	J
L	Metals	SW6010C	D	Nickel	MG/L		0.01	U							0.064	
L	Metals	SW6010C	D	Selenium	MG/L		0.025	U							0.025	U
L	Metals	SW6010C	T	Arsenic	MG/L				0.023		0.015	U	0.015	U		
L	Metals	SW6010C	T	Barium	MG/L				0.79		5.9		0.031			
L	Metals	SW6010C	T	Chromium	MG/L				0.004	U	0.004	U	0.004	U		
L	Metals	SW6010C	T	Copper	MG/L				0.01	U	0.01	U	0.01	U		
L	Metals	SW6010C	T	Lead	MG/L				0.0044	J	0.01	U	0.01	U		
L	Metals	SW6010C	T	Manganese	MG/L				5.8		0.37		0.48			
L	Metals	SW6010C	T	Molybdenum	MG/L				0.017		0.01	U	0.01	U		
L	Metals	SW6010C	T	Nickel	MG/L				0.01	U	0.01	U	0.01	U		
L	Metals	SW6010C	T	Selenium	MG/L				0.025	U	0.025	U	0.025	U		
L	Metals	SW7470A	D	Mercury	MG/L		0.0002	U							0.0002	U
L	Metals	SW7470A	T	Mercury	MG/L				0.0002	U	0.0002	U	0.0002	U		
L	Anions	E300.0	N	Sulfate	MG/L								394			
L	Anions	E300.0	N	Fluoride	MG/L								0.43			
L	Ammonia	E350.1	N	Ammonium	MG/L								0.64			
L	Anions	E353.2	N	Nitrate as N	MG/L								0.032	J		
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L		0.52	U	0.98		0.5	U	0.52	U		
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L											
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L		0.52	U	0.5	U	0.5	U	0.52	U		

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	MW-I704		PES-5		PES-7	
					Lab Sample Delivery Group	480-206416-1		480-206416-1		480-206390-1	
					Field Sample Date	2/22/2023		2/22/2023		2/21/2023	
					Field Sample ID	401003-MWI7043XX		401003-PES0512XX		401003-PES0712XX	
					Qc Code	FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	PCBs	SW8082A	N	Aroclor-1016	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1221	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1232	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1242	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1248	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1254	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1260	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1262	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Aroclor-1268	UG/L	0.059	U	0.057	U	0.058	U
L	PCBs	SW8082A	N	Total PCBs	UG/L	0.059	U	0.057	U	0.058	U
L	Metals	SW6010C	D	Arsenic	MG/L						
L	Metals	SW6010C	D	Barium	MG/L						
L	Metals	SW6010C	D	Chromium	MG/L						
L	Metals	SW6010C	D	Copper	MG/L						
L	Metals	SW6010C	D	Lead	MG/L						
L	Metals	SW6010C	D	Manganese	MG/L						
L	Metals	SW6010C	D	Molybdenum	MG/L						
L	Metals	SW6010C	D	Nickel	MG/L						
L	Metals	SW6010C	D	Selenium	MG/L						
L	Metals	SW6010C	T	Arsenic	MG/L	0.0074	J	0.015	U	0.0084	J
L	Metals	SW6010C	T	Barium	MG/L	0.17		0.073		0.24	
L	Metals	SW6010C	T	Chromium	MG/L	0.0014	J	0.004	U	0.004	U
L	Metals	SW6010C	T	Copper	MG/L	0.002	J	0.0031	J	0.01	U
L	Metals	SW6010C	T	Lead	MG/L	0.01	U	0.01	U	0.0036	J
L	Metals	SW6010C	T	Manganese	MG/L	2.8		0.78		4.2	
L	Metals	SW6010C	T	Molybdenum	MG/L	0.01	U	0.051		0.0054	J
L	Metals	SW6010C	T	Nickel	MG/L	0.0015	J	0.0021	J	0.0014	J
L	Metals	SW6010C	T	Selenium	MG/L	0.025	U	0.025	U	0.025	U
L	Metals	SW7470A	D	Mercury	MG/L						
L	Metals	SW7470A	T	Mercury	MG/L	0.0002	U	0.0002	U	0.0002	U
L	Anions	E300.0	N	Sulfate	MG/L			33.1			
L	Anions	E300.0	N	Fluoride	MG/L			4.1			
L	Ammonia	E350.1	N	Ammonium	MG/L			0.066			
L	Anions	E353.2	N	Nitrate as N	MG/L			0.05	U		
L	Organic Range	SW8015D	N	Diesel Range Organics	MG/L			0.5	U	0.7	
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C10-C	MG/L					0.6	
L	Organic Range	SW8015D	N	Petroleum Hydrocarbons C20-C	MG/L			0.5	U	0.5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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AL TECH SPECIALTY STEEL SITE
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					Location	H-4D		H-4S		MW-1		MW-14		MW-15	
					Lab Sample Delivery Group	JD60629		JD60629		JD60793		JD60629		JD60629	
					Field Sample Date	2/21/2023		2/21/2023		2/23/2023		2/21/2023		2/21/2023	
					Field Sample ID	401003-H4D22XX		401003-H4S10XX		401003-MW0120XX		401003-MW1412XX		401003-MW1507XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	Hex Chrome	SW7199	T	Chromium, Hexavalent	MG/L	0.0055	U	0.0055	U	0.27		0.0055	U	0.0055	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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						Location	MW-17		MW-1B		MW-24		MW-26		MW-26B	
						Lab Sample Delivery Group	JD60793		JD60629		JD60629		JD60629		JD60629	
						Field Sample Date	2/23/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023	
						Field Sample ID	401003-MW1707XX		401003-MW1B32XX		401003-MW2413XX		401003-MW2610XX		401003-MW26B37XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	Hex Chrome	SW7199	T	Chromium, Hexavalent	MG/L		0.0055	U	0.0055	U	0.47	J	0.35		0.0055	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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					Location	MW-32		MW-37		MW-39		MW-43		MW-8B	
					Lab Sample Delivery Group	JD60629		JD60629		JD60629		JD60629		JD60629	
					Field Sample Date	2/21/2023		2/21/2023		2/21/2023		2/21/2023		2/21/2023	
					Field Sample ID	401003-MW3209XX		401003-MW3714XX		401003-MW3914XX		401003-MW4309XX		401003-MW08B38XX	
					Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	Hex Chrome	SW7199	T	Chromium, Hexavalent	MG/L	0.0055	U	0.0055	U	0.0055	UJ	0.0055	UJ	0.0055	UJ

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
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				Location	DP-09		MW-15		MW-17		MW-18		MW-19	
				Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206416-1	
				Field Sample Date	2/20/2023		2/21/2023		2/23/2023		2/21/2023		2/22/2023	
				Field Sample ID	401003-DP0912XX		401003-MW1507XX		401003-MW1707XX		401003-MW1813XX		401003-MW1918XX	
				Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	1,1,1-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloro-1,2,2-Trifluoroet	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,3-Trichlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trichlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trimethylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromo-3-chloropropane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromoethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloropropane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,3,5-Trimethylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,3-Dichlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,4-Dichlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,4-Dioxane	UG/L	40	U	40	U	40	U	40	U	40	U
L	VOCs	SW8260C	N	2-Butanone	UG/L	10	U	10	U	10	U	10	U	10	U
L	VOCs	SW8260C	N	2-Hexanone	UG/L	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260C	N	4-iso-Propyltoluene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	4-Methyl-2-pentanone	UG/L	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260C	N	Acetic acid, methyl ester	UG/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260C	N	Acetone	UG/L	10	U	10	U	10	U	10	U	10	U
L	VOCs	SW8260C	N	Benzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromochloromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromodichloromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromoform	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromomethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Carbon tetrachloride	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chlorobenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chloroethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chloroform	UG/L	1	U	1	U	1	U	1	U	1	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

				Location		DP-09		MW-15		MW-17		MW-18		MW-19	
				Lab Sample Delivery Group		480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206416-1	
				Field Sample Date		2/20/2023		2/21/2023		2/23/2023		2/21/2023		2/22/2023	
				Field Sample ID		401003-DP0912XX		401003-MW1507XX		401003-MW1707XX		401003-MW1813XX		401003-MW1918XX	
				Qc Code		FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	Chloromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	cis-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	cis-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Cyclohexane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Dibromochloromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Dichlorodifluoromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Ethylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Isopropylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methyl cyclohexane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methyl Tertbutyl Ether	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methylene chloride	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	n-Butylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Propylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	sec-Butylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Styrene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	tert-Butylbenzene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Tetrachloroethene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Toluene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	trans-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	trans-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Trichloroethene	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Trichlorofluoromethane	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Vinyl chloride	UG/L	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260C	N	Xylenes, Total	UG/L	2	U	2	U	2	U	2	U	2	U
L	SVOCs	SW8270D	N	1,2,4,5-Tetrachlorobenzene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,2'-Dichlorodiisopropylether	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,4,5-Trichlorophenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,4,6-Trichlorophenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,4-Dichlorophenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,4-Dimethylphenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,4-Dinitrophenol	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	2,4-Dinitrotoluene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2,6-Dinitrotoluene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2-Chloronaphthalene	UG/L			5.7	U	5	U	5	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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AL TECH SPECIALTY STEEL SITE
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				Location	DP-09		MW-15		MW-17		MW-18		MW-19	
				Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206416-1	
				Field Sample Date	2/20/2023		2/21/2023		2/23/2023		2/21/2023		2/22/2023	
				Field Sample ID	401003-DP0912XX		401003-MW1507XX		401003-MW1707XX		401003-MW1813XX		401003-MW1918XX	
				Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	2-Chlorophenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2-Methylnaphthalene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2-Methylphenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	2-Nitroaniline	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	2-Nitrophenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	3,3'-Dichlorobenzidine	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	3-Nitroaniline	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4,6-Dinitro-2-methylphenol	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Bromophenyl phenyl ether	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	4-Chloro-3-methylphenol	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	4-Chloroaniline	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	4-Chlorophenyl phenyl ether	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	4-Methylphenol	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Nitroaniline	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Nitrophenol	UG/L			11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Acenaphthene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Acenaphthylene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Acetophenone	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Anthracene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Atrazine	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzaldehyde	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)anthracene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)pyrene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzo(b)fluoranthene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzo(ghi)perylene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Benzo(k)fluoranthene	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Biphenyl	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethoxy)methane	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethyl)ether	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Ethylhexyl)phthalate	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Butylbenzylphthalate	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Caprolactam	UG/L			5.7	UJ	5	UJ	5	UJ	5	UJ
L	SVOCs	SW8270D	N	Carbazole	UG/L			5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Chrysene	UG/L			5.7	U	5	U	5	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
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AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	DP-09		MW-15		MW-17		MW-18		MW-19	
						Lab Sample Delivery Group	480-206390-1		480-206390-1		480-206437-1		480-206416-1		480-206416-1	
						Field Sample Date	2/20/2023		2/21/2023		2/23/2023		2/21/2023		2/22/2023	
						Field Sample ID	401003-DP0912XX		401003-MW1507XX		401003-MW1707XX		401003-MW1813XX		401003-MW1918XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	Di-n-butylphthalate	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Di-n-octylphthalate	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Dibenz(a,h)anthracene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Dibenzofuran	UG/L				11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Diethylphthalate	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Dimethylphthalate	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Fluoranthene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Fluorene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobenzene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobutadiene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Hexachlorocyclopentadiene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Hexachloroethane	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Indeno(1,2,3-cd)pyrene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Isophorone	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodi-n-propylamine	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodiphenylamine	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Naphthalene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Nitrobenzene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Pentachlorophenol	UG/L				11	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Phenanthrene	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Phenol	UG/L				5.7	U	5	U	5	U	5	U
L	SVOCs	SW8270D	N	Pyrene	UG/L				5.7	U	5	U	5	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-19B		MW-22		MW-27R		MW-4		MW-43	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206390-1		480-206416-1		480-206390-1	
						Field Sample Date	2/22/2023		2/23/2023		2/20/2023		2/22/2023		2/21/2023	
						Field Sample ID	401003-MW19B38XX		401003-MW2214XX		401003-MW27R12XX		401003-MW0413XX		401003-MW4309XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	1,1,1-Trichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2,2-Tetrachloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloro-1,2,2-Trifluoroet	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2,3-Trichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trichlorobenzene	UG/L		1	U	1	U	7.3		2	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trimethylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromo-3-chloropropane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromoethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichlorobenzene	UG/L		1	U	1	U	1.1		2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloropropane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,3,5-Trimethylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,3-Dichlorobenzene	UG/L		1	U	1	U	11		2	U	1	U
L	VOCs	SW8260C	N	1,4-Dichlorobenzene	UG/L		1	U	1	U	12		2	U	1	U
L	VOCs	SW8260C	N	1,4-Dioxane	UG/L		40	U	40	U	40	U	80	U	40	U
L	VOCs	SW8260C	N	2-Butanone	UG/L		10	U	10	U	10	U	20	U	10	U
L	VOCs	SW8260C	N	2-Hexanone	UG/L		5	U	5	U	5	U	10	U	5	U
L	VOCs	SW8260C	N	4-iso-Propyltoluene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	4-Methyl-2-pentanone	UG/L		5	U	5	U	5	U	10	U	5	U
L	VOCs	SW8260C	N	Acetic acid, methyl ester	UG/L		2.5	U	2.5	U	2.5	U	5	U	2.5	U
L	VOCs	SW8260C	N	Acetone	UG/L		10	U	10	U	10	U	20	U	10	U
L	VOCs	SW8260C	N	Benzene	UG/L		1	U	0.92	J	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromochloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromodichloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromoform	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromomethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Carbon disulfide	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Carbon tetrachloride	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Chlorobenzene	UG/L		1	U	1	U	8.6		2	U	1	U
L	VOCs	SW8260C	N	Chloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Chloroform	UG/L		1	U	1	U	1	U	2	U	1	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

				Location		MW-19B		MW-22		MW-27R		MW-4		MW-43	
				Lab Sample Delivery Group		480-206416-1		480-206437-1		480-206390-1		480-206416-1		480-206390-1	
				Field Sample Date		2/22/2023		2/23/2023		2/20/2023		2/22/2023		2/21/2023	
				Field Sample ID		401003-MW19B38XX		401003-MW2214XX		401003-MW27R12XX		401003-MW0413XX		401003-MW4309XX	
				Qc Code		FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	Chloromethane	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	cis-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	cis-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Cyclohexane	UG/L	1	U	7.3		1	U	2	U	1	U
L	VOCs	SW8260C	N	Dibromochloromethane	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Dichlorodifluoromethane	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Ethylbenzene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Isopropylbenzene	UG/L	1	U	12		1	U	2	U	1	U
L	VOCs	SW8260C	N	Methyl cyclohexane	UG/L	1	U	8.2		1	U	2	U	1	U
L	VOCs	SW8260C	N	Methyl Tertbutyl Ether	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Methylene chloride	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	n-Butylbenzene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Propylbenzene	UG/L	1	U	15		1	U	2	U	1	U
L	VOCs	SW8260C	N	sec-Butylbenzene	UG/L	1	U	4.2		1	U	2	U	1	U
L	VOCs	SW8260C	N	Styrene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	tert-Butylbenzene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Tetrachloroethene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Toluene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	trans-1,2-Dichloroethene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	trans-1,3-Dichloropropene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Trichloroethene	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Trichlorofluoromethane	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Vinyl chloride	UG/L	1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Xylenes, Total	UG/L	2	U	2	U	2	U	4	U	2	U
L	SVOCs	SW8270D	N	1,2,4,5-Tetrachlorobenzene	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,2'-Dichlorodiisopropylether	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,4,5-Trichlorophenol	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,4,6-Trichlorophenol	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dichlorophenol	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dimethylphenol	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dinitrophenol	UG/L	10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	2,4-Dinitrotoluene	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2,6-Dinitrotoluene	UG/L	5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2-Chloronaphthalene	UG/L	5	U	25	U			5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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AL TECH SPECIALTY STEEL SITE
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						Location	MW-19B		MW-22		MW-27R		MW-4		MW-43	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206390-1		480-206416-1		480-206390-1	
						Field Sample Date	2/22/2023		2/23/2023		2/20/2023		2/22/2023		2/21/2023	
						Field Sample ID	401003-MW19B38XX		401003-MW2214XX		401003-MW27R12XX		401003-MW0413XX		401003-MW4309XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	2-Chlorophenol	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2-Methylnaphthalene	UG/L		5	U	130				5.2	U	5	U
L	SVOCs	SW8270D	N	2-Methylphenol	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	2-Nitroaniline	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	2-Nitrophenol	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	3,3'-Dichlorobenzidine	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	3-Nitroaniline	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	4,6-Dinitro-2-methylphenol	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	4-Bromophenyl phenyl ether	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chloro-3-methylphenol	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chloroaniline	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chlorophenyl phenyl ether	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	4-Methylphenol	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	4-Nitroaniline	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	4-Nitrophenol	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	Acenaphthene	UG/L		5	U	11	J			5.2	U	5	U
L	SVOCs	SW8270D	N	Acenaphthylene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Acetophenone	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Anthracene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Atrazine	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzaldehyde	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)anthracene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)pyrene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(b)fluoranthene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(ghi)perylene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(k)fluoranthene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Biphenyl	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethoxy)methane	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethyl)ether	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Ethylhexyl)phthalate	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Butylbenzylphthalate	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Caprolactam	UG/L		5	UJ	25	UJ			5.2	UJ	5	UJ
L	SVOCs	SW8270D	N	Carbazole	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Chrysene	UG/L		5	U	25	U			5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-19B		MW-22		MW-27R		MW-4		MW-43	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206390-1		480-206416-1		480-206390-1	
						Field Sample Date	2/22/2023		2/23/2023		2/20/2023		2/22/2023		2/21/2023	
						Field Sample ID	401003-MW19B38XX		401003-MW2214XX		401003-MW27R12XX		401003-MW0413XX		401003-MW4309XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	Di-n-butylphthalate	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Di-n-octylphthalate	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Dibenz(a,h)anthracene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Dibenzofuran	UG/L		10	U	6.3	J			10	U	10	U
L	SVOCs	SW8270D	N	Diethylphthalate	UG/L		5	U	25	U			5.2	U	6.3	
L	SVOCs	SW8270D	N	Dimethylphthalate	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Fluoranthene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Fluorene	UG/L		5	U	9.1	J			5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobenzene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobutadiene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorocyclopentadiene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachloroethane	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Indeno(1,2,3-cd)pyrene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Isophorone	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodi-n-propylamine	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodiphenylamine	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Naphthalene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Nitrobenzene	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Pentachlorophenol	UG/L		10	U	50	U			10	U	10	U
L	SVOCs	SW8270D	N	Phenanthrene	UG/L		5	U	9.3	J			5.2	U	5	U
L	SVOCs	SW8270D	N	Phenol	UG/L		5	U	25	U			5.2	U	5	U
L	SVOCs	SW8270D	N	Pyrene	UG/L		5	U	25	U			5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-4B		MW-5		MW-5B		MW-6		MW-6B	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206437-1		480-206437-1		480-206437-1	
						Field Sample Date	2/22/2023		2/22/2023		2/23/2023		2/23/2023		2/22/2023	
						Field Sample ID	401003-MW04B46XX		401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	1,1,1-Trichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2,2-Tetrachloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloro-1,2,2-Trifluoroet	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2,3-Trichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trimethylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromo-3-chloropropane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromoethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloropropane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,3,5-Trimethylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,3-Dichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,4-Dichlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	1,4-Dioxane	UG/L		40	U	40	U	40	U	80	U	40	U
L	VOCs	SW8260C	N	2-Butanone	UG/L		10	U	10	U	10	U	20	U	10	U
L	VOCs	SW8260C	N	2-Hexanone	UG/L		5	U	5	U	5	U	10	U	5	U
L	VOCs	SW8260C	N	4-iso-Propyltoluene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	4-Methyl-2-pentanone	UG/L		5	U	5	U	5	U	10	U	5	U
L	VOCs	SW8260C	N	Acetic acid, methyl ester	UG/L		2.5	U	2.5	U	2.5	U	5	U	2.5	U
L	VOCs	SW8260C	N	Acetone	UG/L		10	U	10	U	10	U	20	U	10	U
L	VOCs	SW8260C	N	Benzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromochloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromodichloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromoform	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Bromomethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Carbon disulfide	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Carbon tetrachloride	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Chlorobenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Chloroethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Chloroform	UG/L		1	U	1	U	1	U	2	U	1	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-4B		MW-5		MW-5B		MW-6		MW-6B	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206437-1		480-206437-1		480-206437-1	
						Field Sample Date	2/22/2023		2/22/2023		2/23/2023		2/23/2023		2/22/2023	
						Field Sample ID	401003-MW04B46XX		401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	Chloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	cis-1,2-Dichloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	cis-1,3-Dichloropropene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Cyclohexane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Dibromochloromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Dichlorodifluoromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Ethylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Isopropylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Methyl cyclohexane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Methyl Tertbutyl Ether	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Methylene chloride	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	n-Butylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Propylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	sec-Butylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Styrene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	tert-Butylbenzene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Tetrachloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Toluene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	trans-1,2-Dichloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	trans-1,3-Dichloropropene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Trichloroethene	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Trichlorofluoromethane	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Vinyl chloride	UG/L		1	U	1	U	1	U	2	U	1	U
L	VOCs	SW8260C	N	Xylenes, Total	UG/L		2	U	2	U	2	U	4	U	2	U
L	SVOCs	SW8270D	N	1,2,4,5-Tetrachlorobenzene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,2'-Dichlorodiisopropylether	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,4,5-Trichlorophenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,4,6-Trichlorophenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dichlorophenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dimethylphenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,4-Dinitrophenol	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	2,4-Dinitrotoluene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2,6-Dinitrotoluene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2-Chloronaphthalene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-4B		MW-5		MW-5B		MW-6		MW-6B	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206437-1		480-206437-1		480-206437-1	
						Field Sample Date	2/22/2023		2/22/2023		2/23/2023		2/23/2023		2/22/2023	
						Field Sample ID	401003-MW04B46XX		401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	2-Chlorophenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2-Methylnaphthalene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2-Methylphenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	2-Nitroaniline	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	2-Nitrophenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	3,3'-Dichlorobenzidine	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	3-Nitroaniline	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4,6-Dinitro-2-methylphenol	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Bromophenyl phenyl ether	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chloro-3-methylphenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chloroaniline	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	4-Chlorophenyl phenyl ether	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	4-Methylphenol	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Nitroaniline	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	4-Nitrophenol	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Acenaphthene	UG/L		5.2	U	5.2	U	5.2	U	4.5	J	5	U
L	SVOCs	SW8270D	N	Acenaphthylene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Acetophenone	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Anthracene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Atrazine	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzaldehyde	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)anthracene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(a)pyrene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(b)fluoranthene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(ghi)perylene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Benzo(k)fluoranthene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Biphenyl	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethoxy)methane	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethyl)ether	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Bis(2-Ethylhexyl)phthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Butylbenzylphthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Caprolactam	UG/L		5.2	UJ	5.2	UJ	5.2	UJ	5.2	UJ	5	UJ
L	SVOCs	SW8270D	N	Carbazole	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Chrysene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-4B		MW-5		MW-5B		MW-6		MW-6B	
						Lab Sample Delivery Group	480-206416-1		480-206437-1		480-206437-1		480-206437-1		480-206437-1	
						Field Sample Date	2/22/2023		2/22/2023		2/23/2023		2/23/2023		2/22/2023	
						Field Sample ID	401003-MW04B46XX		401003-MW0513XX		401003-MW05B54XX		401003-MW0612XX		401003-MW06B59XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	Di-n-butylphthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Di-n-octylphthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Dibenz(a,h)anthracene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Dibenzofuran	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Diethylphthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Dimethylphthalate	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Fluoranthene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Fluorene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobenzene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorobutadiene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachlorocyclopentadiene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Hexachloroethane	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Indeno(1,2,3-cd)pyrene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Isophorone	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodi-n-propylamine	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	N-Nitrosodiphenylamine	UG/L		5.2	U	5.2	U	5.2	U	2.6	J	5	U
L	SVOCs	SW8270D	N	Naphthalene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Nitrobenzene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Pentachlorophenol	UG/L		10	U	10	U	10	U	10	U	10	U
L	SVOCs	SW8270D	N	Phenanthrene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Phenol	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U
L	SVOCs	SW8270D	N	Pyrene	UG/L		5.2	U	5.2	U	5.2	U	5.2	U	5	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
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AL TECH SPECIALTY STEEL SITE
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				Location	MW-8B		MW-G501		MW-I704		PES-5		PES-7	
				Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206416-1		480-206416-1		480-206390-1	
				Field Sample Date	2/21/2023		2/22/2023		2/22/2023		2/22/2023		2/21/2023	
				Field Sample ID	401003-MW08B38XX		401003-MWG50111XX		401003-MWI7043XX		401003-PES0512XX		401003-PES0712XX	
				Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	1,1,1-Trichloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,1,2-Trichloro-1,2,2-Trifluoroet	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,1,2-Trichloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,1-Dichloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,1-Dichloroethene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2,3-Trichlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2,4-Trichlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2,4-Trimethylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2-Dibromo-3-chloropropane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2-Dibromoethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2-Dichlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2-Dichloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,2-Dichloropropane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,3,5-Trimethylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,3-Dichlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,4-Dichlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	1,4-Dioxane	UG/L	40	U	40	U	160	U	40	U	80	U
L	VOCs	SW8260C	N	2-Butanone	UG/L	10	U	10	U	40	U	10	U	20	U
L	VOCs	SW8260C	N	2-Hexanone	UG/L	5	U	5	U	20	U	5	U	10	U
L	VOCs	SW8260C	N	4-iso-Propyltoluene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	4-Methyl-2-pentanone	UG/L	5	U	5	U	20	U	5	U	10	U
L	VOCs	SW8260C	N	Acetic acid, methyl ester	UG/L	2.5	U	2.5	U	10	U	2.5	U	5	U
L	VOCs	SW8260C	N	Acetone	UG/L	10	U	10	U	40	U	10	U	20	U
L	VOCs	SW8260C	N	Benzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Bromochloromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Bromodichloromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Bromoform	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Bromomethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Carbon disulfide	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Carbon tetrachloride	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Chlorobenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Chloroethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Chloroform	UG/L	1	U	1	U	4	U	1	U	2	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

				Location		MW-8B		MW-G501		MW-I704		PES-5		PES-7	
				Lab Sample Delivery Group		480-206390-1		480-206416-1		480-206416-1		480-206416-1		480-206390-1	
				Field Sample Date		2/21/2023		2/22/2023		2/22/2023		2/22/2023		2/21/2023	
				Field Sample ID		401003-MW08B38XX		401003-MWG50111XX		401003-MWI7043XX		401003-PES0512XX		401003-PES0712XX	
				Qc Code		FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	Chloromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	cis-1,2-Dichloroethene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	cis-1,3-Dichloropropene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Cyclohexane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Dibromochloromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Dichlorodifluoromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Ethylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Isopropylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Methyl cyclohexane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Methyl Tertbutyl Ether	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Methylene chloride	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	n-Butylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Propylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	sec-Butylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Styrene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	tert-Butylbenzene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Tetrachloroethene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Toluene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	trans-1,2-Dichloroethene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	trans-1,3-Dichloropropene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Trichloroethene	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Trichlorofluoromethane	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Vinyl chloride	UG/L	1	U	1	U	4	U	1	U	2	U
L	VOCs	SW8260C	N	Xylenes, Total	UG/L	2	U	2	U	8	U	2	U	4	U
L	SVOCs	SW8270D	N	1,2,4,5-Tetrachlorobenzene	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,2'-Dichlorodiisopropylether	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,4,5-Trichlorophenol	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,4,6-Trichlorophenol	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,4-Dichlorophenol	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,4-Dimethylphenol	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,4-Dinitrophenol	UG/L	10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	2,4-Dinitrotoluene	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2,6-Dinitrotoluene	UG/L	5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2-Chloronaphthalene	UG/L	5	U	5	U	25	U	5.2	U	25	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-8B		MW-G501		MW-I704		PES-5		PES-7	
						Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206416-1		480-206416-1		480-206390-1	
						Field Sample Date	2/21/2023		2/22/2023		2/22/2023		2/22/2023		2/21/2023	
						Field Sample ID	401003-MW08B38XX		401003-MWG50111XX		401003-MWI7043XX		401003-PES0512XX		401003-PES0712XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	2-Chlorophenol	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2-Methylnaphthalene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2-Methylphenol	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	2-Nitroaniline	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	2-Nitrophenol	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	3,3'-Dichlorobenzidine	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	3-Nitroaniline	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	4,6-Dinitro-2-methylphenol	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	4-Bromophenyl phenyl ether	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	4-Chloro-3-methylphenol	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	4-Chloroaniline	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	4-Chlorophenyl phenyl ether	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	4-Methylphenol	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	4-Nitroaniline	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	4-Nitrophenol	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	Acenaphthene	UG/L		5	U	5	U	10	J	5.2	U	2.4	J
L	SVOCs	SW8270D	N	Acenaphthylene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Acetophenone	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Anthracene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Atrazine	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzaldehyde	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzo(a)anthracene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzo(a)pyrene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzo(b)fluoranthene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzo(ghi)perylene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Benzo(k)fluoranthene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Biphenyl	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethoxy)methane	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Bis(2-Chloroethyl)ether	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Bis(2-Ethylhexyl)phthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Butylbenzylphthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Caprolactam	UG/L		5	UJ	5	UJ	25	UJ	5.2	UJ	25	UJ
L	SVOCs	SW8270D	N	Carbazole	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Chrysene	UG/L		5	U	5	U	25	U	5.2	U	25	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

						Location	MW-8B		MW-G501		MW-I704		PES-5		PES-7	
						Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206416-1		480-206416-1		480-206390-1	
						Field Sample Date	2/21/2023		2/22/2023		2/22/2023		2/22/2023		2/21/2023	
						Field Sample ID	401003-MW08B38XX		401003-MWG50111XX		401003-MWI7043XX		401003-PES0512XX		401003-PES0712XX	
						Qc Code	FS		FS		FS		FS		FS	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	Di-n-butylphthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Di-n-octylphthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Dibenz(a,h)anthracene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Dibenzofuran	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	Diethylphthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Dimethylphthalate	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Fluoranthene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Fluorene	UG/L		5	U	5	U	10	J	5.2	U	25	U
L	SVOCs	SW8270D	N	Hexachlorobenzene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Hexachlorobutadiene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Hexachlorocyclopentadiene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Hexachloroethane	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Indeno(1,2,3-cd)pyrene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Isophorone	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	N-Nitrosodi-n-propylamine	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	N-Nitrosodiphenylamine	UG/L		5	U	5	U	5.8	J	5.2	U	25	U
L	SVOCs	SW8270D	N	Naphthalene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Nitrobenzene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Pentachlorophenol	UG/L		10	U	10	U	50	U	10	U	50	U
L	SVOCs	SW8270D	N	Phenanthrene	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Phenol	UG/L		5	U	5	U	25	U	5.2	U	25	U
L	SVOCs	SW8270D	N	Pyrene	UG/L		5	U	5	U	25	U	5.2	U	25	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	QC		QC		QC	
					Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206437-1	
					Field Sample Date	2/18/2023		2/18/2023		2/18/2023	
					Field Sample ID	401003-TRIP BLANK		TRIP BLANK		401003-TRIPBLANK	
					Qc Code	TB		TB		TB	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	1,1,1-Trichloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloro-1,2,2-Trifluoroet	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1,2-Trichloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,1-Dichloroethene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,3-Trichlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trichlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2,4-Trimethylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromo-3-chloropropane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dibromoethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,2-Dichloropropane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,3,5-Trimethylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,3-Dichlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,4-Dichlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	1,4-Dioxane	UG/L	40	U	40	U	40	U
L	VOCs	SW8260C	N	2-Butanone	UG/L	10	U	10	U	10	U
L	VOCs	SW8260C	N	2-Hexanone	UG/L	5	U	5	U	5	U
L	VOCs	SW8260C	N	4-iso-Propyltoluene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	4-Methyl-2-pentanone	UG/L	5	U	5	U	5	U
L	VOCs	SW8260C	N	Acetic acid, methyl ester	UG/L	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260C	N	Acetone	UG/L	10	U	10	U	10	U
L	VOCs	SW8260C	N	Benzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromochloromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromodichloromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromoform	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Bromomethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Carbon disulfide	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Carbon tetrachloride	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chlorobenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chloroethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Chloroform	UG/L	1	U	1	U	1	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	QC		QC		QC	
					Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206437-1	
					Field Sample Date	2/18/2023		2/18/2023		2/18/2023	
					Field Sample ID	401003-TRIP BLANK		TRIP BLANK		401003-TRIPBLANK	
					Qc Code	TB		TB		TB	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	VOCs	SW8260C	N	Chloromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	cis-1,2-Dichloroethene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	cis-1,3-Dichloropropene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Cyclohexane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Dibromochloromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Dichlorodifluoromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Ethylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Isopropylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methyl cyclohexane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methyl Tertbutyl Ether	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Methylene chloride	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	n-Butylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Propylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	sec-Butylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Styrene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	tert-Butylbenzene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Tetrachloroethene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Toluene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	trans-1,2-Dichloroethene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	trans-1,3-Dichloropropene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Trichloroethene	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Trichlorofluoromethane	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Vinyl chloride	UG/L	1	U	1	U	1	U
L	VOCs	SW8260C	N	Xylenes, Total	UG/L	2	U	2	U	2	U
L	SVOCs	SW8270D	N	1,2,4,5-Tetrachlorobenzene	UG/L						
L	SVOCs	SW8270D	N	2,2'-Dichlorodiisopropylether	UG/L						
L	SVOCs	SW8270D	N	2,4,5-Trichlorophenol	UG/L						
L	SVOCs	SW8270D	N	2,4,6-Trichlorophenol	UG/L						
L	SVOCs	SW8270D	N	2,4-Dichlorophenol	UG/L						
L	SVOCs	SW8270D	N	2,4-Dimethylphenol	UG/L						
L	SVOCs	SW8270D	N	2,4-Dinitrophenol	UG/L						
L	SVOCs	SW8270D	N	2,4-Dinitrotoluene	UG/L						
L	SVOCs	SW8270D	N	2,6-Dinitrotoluene	UG/L						
L	SVOCs	SW8270D	N	2-Chloronaphthalene	UG/L						

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	QC		QC		QC	
					Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206437-1	
					Field Sample Date	2/18/2023		2/18/2023		2/18/2023	
					Field Sample ID	401003-TRIP BLANK		TRIP BLANK		401003-TRIPBLANK	
					Qc Code	TB		TB		TB	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	2-Chlorophenol	UG/L						
L	SVOCs	SW8270D	N	2-Methylnaphthalene	UG/L						
L	SVOCs	SW8270D	N	2-Methylphenol	UG/L						
L	SVOCs	SW8270D	N	2-Nitroaniline	UG/L						
L	SVOCs	SW8270D	N	2-Nitrophenol	UG/L						
L	SVOCs	SW8270D	N	3,3'-Dichlorobenzidine	UG/L						
L	SVOCs	SW8270D	N	3-Nitroaniline	UG/L						
L	SVOCs	SW8270D	N	4,6-Dinitro-2-methylphenol	UG/L						
L	SVOCs	SW8270D	N	4-Bromophenyl phenyl ether	UG/L						
L	SVOCs	SW8270D	N	4-Chloro-3-methylphenol	UG/L						
L	SVOCs	SW8270D	N	4-Chloroaniline	UG/L						
L	SVOCs	SW8270D	N	4-Chlorophenyl phenyl ether	UG/L						
L	SVOCs	SW8270D	N	4-Methylphenol	UG/L						
L	SVOCs	SW8270D	N	4-Nitroaniline	UG/L						
L	SVOCs	SW8270D	N	4-Nitrophenol	UG/L						
L	SVOCs	SW8270D	N	Acenaphthene	UG/L						
L	SVOCs	SW8270D	N	Acenaphthylene	UG/L						
L	SVOCs	SW8270D	N	Acetophenone	UG/L						
L	SVOCs	SW8270D	N	Anthracene	UG/L						
L	SVOCs	SW8270D	N	Atrazine	UG/L						
L	SVOCs	SW8270D	N	Benzaldehyde	UG/L						
L	SVOCs	SW8270D	N	Benzo(a)anthracene	UG/L						
L	SVOCs	SW8270D	N	Benzo(a)pyrene	UG/L						
L	SVOCs	SW8270D	N	Benzo(b)fluoranthene	UG/L						
L	SVOCs	SW8270D	N	Benzo(ghi)perylene	UG/L						
L	SVOCs	SW8270D	N	Benzo(k)fluoranthene	UG/L						
L	SVOCs	SW8270D	N	Biphenyl	UG/L						
L	SVOCs	SW8270D	N	Bis(2-Chloroethoxy)methane	UG/L						
L	SVOCs	SW8270D	N	Bis(2-Chloroethyl)ether	UG/L						
L	SVOCs	SW8270D	N	Bis(2-Ethylhexyl)phthalate	UG/L						
L	SVOCs	SW8270D	N	Butylbenzylphthalate	UG/L						
L	SVOCs	SW8270D	N	Caprolactam	UG/L						
L	SVOCs	SW8270D	N	Carbazole	UG/L						
L	SVOCs	SW8270D	N	Chrysene	UG/L						

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

					Location	QC		QC		QC	
					Lab Sample Delivery Group	480-206390-1		480-206416-1		480-206437-1	
					Field Sample Date	2/18/2023		2/18/2023		2/18/2023	
					Field Sample ID	401003-TRIP BLANK		TRIP BLANK		401003-TRIPBLANK	
					Qc Code	TB		TB		TB	
Matrix	**Method Class**	**Method**	**Fraction**	**Parameter**	**Units**	Result	Qualifier	Result	Qualifier	Result	Qualifier
L	SVOCs	SW8270D	N	Di-n-butylphthalate	UG/L						
L	SVOCs	SW8270D	N	Di-n-octylphthalate	UG/L						
L	SVOCs	SW8270D	N	Dibenz(a,h)anthracene	UG/L						
L	SVOCs	SW8270D	N	Dibenzofuran	UG/L						
L	SVOCs	SW8270D	N	Diethylphthalate	UG/L						
L	SVOCs	SW8270D	N	Dimethylphthalate	UG/L						
L	SVOCs	SW8270D	N	Fluoranthene	UG/L						
L	SVOCs	SW8270D	N	Fluorene	UG/L						
L	SVOCs	SW8270D	N	Hexachlorobenzene	UG/L						
L	SVOCs	SW8270D	N	Hexachlorobutadiene	UG/L						
L	SVOCs	SW8270D	N	Hexachlorocyclopentadiene	UG/L						
L	SVOCs	SW8270D	N	Hexachloroethane	UG/L						
L	SVOCs	SW8270D	N	Indeno(1,2,3-cd)pyrene	UG/L						
L	SVOCs	SW8270D	N	Isophorone	UG/L						
L	SVOCs	SW8270D	N	N-Nitrosodi-n-propylamine	UG/L						
L	SVOCs	SW8270D	N	N-Nitrosodiphenylamine	UG/L						
L	SVOCs	SW8270D	N	Naphthalene	UG/L						
L	SVOCs	SW8270D	N	Nitrobenzene	UG/L						
L	SVOCs	SW8270D	N	Pentachlorophenol	UG/L						
L	SVOCs	SW8270D	N	Phenanthrene	UG/L						
L	SVOCs	SW8270D	N	Phenol	UG/L						
L	SVOCs	SW8270D	N	Pyrene	UG/L						

TABLE 3 - SUMMARY OF QUALIFICATION ACTIONS
CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

Lab SDG	Lab Sample ID	Field Sample ID	Method	Fraction	Parameter	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
480-206390-1	480-206390-14	401003-MW1507XX	SW8270D	N	Caprolactam	5.7	U	5.7	UJ	LCSL	UG/L
480-206390-1	480-206390-18	401003-PES0712XX	SW8270D	N	Caprolactam	25	U	25	UJ	LCSL	UG/L
480-206390-1	480-206390-5	401003-MW4309XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206390-1	480-206390-9	401003-MW08B38XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206416-1	480-206416-1	401003-MW1813XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206416-1	480-206416-3	401003-MWG50111XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206416-1	480-206416-4	401003-PES0512XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206416-1	480-206416-5	401003-MW1918XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206416-1	480-206416-6	401003-MW19B38XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206416-1	480-206416-7	401003-MWI7043XX	SW8270D	N	Caprolactam	25	U	25	UJ	LCSL	UG/L
480-206416-1	480-206416-8	401003-MW04B46XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206416-1	480-206416-9	401003-MW0413XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206437-1	480-206437-1	401003-MW05B54XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206437-1	480-206437-2	401003-MW0513XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206437-1	480-206437-3	401003-MW06B59XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206437-1	480-206437-4	401003-MW2214XX	SW8270D	N	Caprolactam	25	U	25	UJ	LCSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8270D	N	Caprolactam	5.2	U	5.2	UJ	LCSL	UG/L
480-206437-1	480-206437-8	401003-MW1707XX	SW8270D	N	Caprolactam	5	U	5	UJ	LCSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1260	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1016	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1268	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Total PCBs	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1221	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1262	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1242	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1254	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1248	0.059	U	0.059	UJ	SSL	UG/L
480-206437-1	480-206437-5	401003-MW0612XX	SW8082A	N	Aroclor-1232	0.059	U	0.059	UJ	SSL	UG/L
JD60629	JD60629-1	401003-MW4309XX	SW7199	T	Chromium, Hexavalent	0.0055	U	0.0055	UJ	HT	MG/L
JD60629	JD60629-2	401003-MW3914XX	SW7199	T	Chromium, Hexavalent	0.0055	U	0.0055	UJ	HT	MG/L
JD60629	JD60629-6	401003-MW08B38XX	SW7199	T	Chromium, Hexavalent	0.0055	U	0.0055	UJ	HT	MG/L
JD60629	JD60629-8	401003-MW2413XX	SW7199	T	Chromium, Hexavalent	0.47		0.47	J	HT	MG/L
480-206416-1	480-206416-9	401003-MW0413XX	E350.1	N	Ammonium	0.16	F1	0.16	J+	MSH	MG/L

Created by: KLD 3/24/23
Checked by: CLC 3/24/23

CATEGORY A REVIEW
FEBRUARY 2023 GROUNDWATER SAMPLING PROGRAM
AL TECH SPECIALTY STEEL SITE
COLONIE, NEW YORK

ATTACHMENT A

VOCs

PROJECT CATEGORY A REVIEW RECORD
Project: NYSDEC Al Tech
Method : SW-846 8260C
Laboratory: Eurofins TAL **SDG(s): 480-206390-1, 480-206416-1, 480-206390-1**
Date: 3/21/2023
Reviewer: Casey Cormier
Review Level [X] CATEGORY A

1. [X] Case **Narrative Review and COC/Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)
   Sample 401003-MW1111XX was incorrectly logged-in by the lab as 401003-MW111XX

2. [X] **Holding time and Sample Collection**
   All samples were analyzed within the 14 day holding time. YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Trip blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. [X] **Matrix Spike** - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within the Region II limits? YES NO NA (circle one)
   Were any results <20%? YES NO NA (circle one)

5. [X] **Laboratory Control Sample Results** - Region II (Water and soil 70-130%)
   Were all results were within Region II control limits? YES NO (circle one)
   See 480-206390-1 QC Backup
   See 480-206437-1 QC Backup

6. [X] **Surrogate Recovery** - Region II limits (water 80-120%, soil 70-130%)
   Were all results within Region II limits? YES NO (circle one)

   Were any results <10%? YES NO NA (circle one)

7. [X] **Field Duplicates** - Region II Limits (water RPD 50, soil RPD 100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were all results within Region II Limits? YES NO NA (circle one)

8. [X] **Reporting Limits**
   Were samples analyzed at a dilution? YES NO (circle one)
   Samples 401003-PES0712XX, 401003-MW0413XX, and 401003-MW0612XX were analyzed at a 2X dilution due to foaming at the time of purging.
   Sample 401003-MWI7043XX was analyzed at a 4X dilution due to foaming at the time of purging.

9. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)
   See above note about sample ID discrepancy

10. [X] **Table Review**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)

Were all tables produced and reviewed? YES NO (circle one)

Table 4 (TICs) Did lab report TICs? YES NO (circle one)

Job Narrative
480-206390-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18). Not within scope of Cat A review

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

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

Lab Sample ID: MB 480-659613/7
Matrix: Water
Analysis Batch: 659613

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			02/23/23 10:41	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			02/23/23 10:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/23 10:41	1
Toluene	ND		1.0	0.51	ug/L			02/23/23 10:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/23 10:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/23 10:41	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/23 10:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/23/23 10:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/23 10:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/23 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/23/23 10:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/23/23 10:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/23/23 10:41*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/23 10:41*	*1*

Lab Sample ID: LCS 480-659613/5
Matrix: Water
Analysis Batch: 659613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	QC Limit: 70 - 130
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.8		ug/L		131	61 - 148	Samples ND, no quals
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122	
1,1-Dichloroethane	25.0	28.1		ug/L		112	77 - 120	
1,1-Dichloroethene	25.0	29.1		ug/L		116	66 - 127	
1,2,3-Trichlorobenzene	25.0	23.6		ug/L		94	75 - 123	
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122	
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		105	76 - 121	
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	56 - 134	
1,2-Dibromoethane	25.0	25.6		ug/L		103	77 - 120	
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124	
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120	
1,2-Dichloropropane	25.0	29.5		ug/L		118	76 - 120	
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	77 - 121	
1,3-Dichlorobenzene	25.0	25.6		ug/L		103	77 - 120	
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120	
1,4-Dioxane	500	688		ug/L		138	50 - 150	Samples ND, no quals
2-Butanone (MEK)	125	162		ug/L		130	57 - 140	
2-Hexanone	125	135		ug/L		108	65 - 127	
4-Isopropyltoluene	25.0	26.8		ug/L		107	73 - 120	
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125	
Acetone	125	171		ug/L		137	56 - 142	Samples ND, no quals
Benzene	25.0	29.7		ug/L		119	71 - 124	
Bromodichloromethane	25.0	27.5		ug/L		110	80 - 122	
Bromoform	25.0	25.3		ug/L		101	61 - 132	

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

Lab Sample ID: LCS 480-659613/5
Matrix: Water
Analysis Batch: 659613

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Bromomethane	25.0	18.2		ug/L		73	55 - 144	
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134	
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134	
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120	
Chlorobromomethane	25.0	29.6		ug/L		118	72 - 130	
Chloroethane	25.0	18.1		ug/L		72	69 - 136	
Chloroform	25.0	27.1		ug/L		108	73 - 127	
Chloromethane	25.0	23.8		ug/L		95	68 - 124	
cis-1,2-Dichloroethene	25.0	28.5		ug/L		114	74 - 124	
cis-1,3-Dichloropropene	25.0	28.9		ug/L		116	74 - 124	
Cyclohexane	25.0	31.0		ug/L		124	59 - 135	
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125	
Dichlorodifluoromethane	25.0	31.8		ug/L		127	59 - 135	
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123	
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122	
Methyl acetate	50.0	65.8		ug/L		132	74 - 133	Samples ND, no quals
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120	
Methylcyclohexane	25.0	31.3		ug/L		125	68 - 134	
Methylene Chloride	25.0	28.6		ug/L		114	75 - 124	
n-Butylbenzene	25.0	25.6		ug/L		103	71 - 128	
N-Propylbenzene	25.0	26.5		ug/L		106	75 - 127	
sec-Butylbenzene	25.0	26.3		ug/L		105	74 - 127	
Styrene	25.0	26.2		ug/L		105	80 - 120	
tert-Butylbenzene	25.0	25.7		ug/L		103	75 - 123	
Tetrachloroethene	25.0	26.3		ug/L		105	74 - 122	
Toluene	25.0	25.7		ug/L		103	80 - 122	
trans-1,2-Dichloroethene	25.0	29.3		ug/L		117	73 - 127	
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120	
Trichloroethene	25.0	28.2		ug/L		113	74 - 123	
Trichlorofluoromethane	25.0	26.6		ug/L		107	62 - 150	
Vinyl chloride	25.0	23.3		ug/L		93	65 - 133	
Xylenes, Total	50.0	51.9		ug/L		104	76 - 122	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-659751/1-A
Matrix: Water
Analysis Batch: 660001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/24/23 08:35	02/28/23 11:01	1
1,2,4,5-Tetrachlorobenzene	ND		5.0	0.58	ug/L		02/24/23 08:35	02/28/23 11:01	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/24/23 08:35	02/28/23 11:01	1

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

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

Lab Sample ID: MB 480-659879/11
Matrix: Water
Analysis Batch: 659879

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			02/27/23 11:55	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			02/27/23 11:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/27/23 11:55	1
Toluene	ND		1.0	0.51	ug/L			02/27/23 11:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/27/23 11:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/27/23 11:55	1
Trichloroethene	ND		1.0	0.46	ug/L			02/27/23 11:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/27/23 11:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/27/23 11:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/23 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/27/23 11:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/27/23 11:55*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/27/23 11:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/27/23 11:55*	*1*

Lab Sample ID: LCS 480-659879/9
Matrix: Water
Analysis Batch: 659879

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	QC Limit: 70 - 130
1,1,1-Trichloroethane	25.0	29.5		ug/L		118	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.6		ug/L		122	61 - 148	
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122	
1,1-Dichloroethane	25.0	28.7		ug/L		115	77 - 120	
1,1-Dichloroethene	25.0	30.2		ug/L		121	66 - 127	
1,2,3-Trichlorobenzene	25.0	24.0		ug/L		96	75 - 123	
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		96	79 - 122	
1,2,4-Trimethylbenzene	25.0	24.5		ug/L		98	76 - 121	
1,2-Dibromo-3-Chloropropane	25.0	19.9		ug/L		80	56 - 134	
1,2-Dibromoethane	25.0	24.9		ug/L		99	77 - 120	
1,2-Dichlorobenzene	25.0	21.6		ug/L		86	80 - 124	
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120	
1,2-Dichloropropane	25.0	29.9		ug/L		120	76 - 120	
1,3,5-Trimethylbenzene	25.0	24.5		ug/L		98	77 - 121	
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120	
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120	
1,4-Dioxane	500	775	*+	ug/L		155	50 - 150	Samples ND, no quals
2-Butanone (MEK)	125	165		ug/L		132	57 - 140	
2-Hexanone	125	135		ug/L		108	65 - 127	
4-Isopropyltoluene	25.0	25.0		ug/L		100	73 - 120	
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125	
Acetone	125	175		ug/L		140	56 - 142	Samples ND, no quals
Benzene	25.0	30.2		ug/L		121	71 - 124	
Bromodichloromethane	25.0	28.4		ug/L		114	80 - 122	
Bromoform	25.0	25.0		ug/L		100	61 - 132	

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

Lab Sample ID: LCS 480-659879/9
Matrix: Water
Analysis Batch: 659879

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Bromomethane	25.0	23.4		ug/L		93	55 - 144	
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134	
Carbon tetrachloride	25.0	31.0		ug/L		124	72 - 134	
Chlorobenzene	25.0	24.6		ug/L		99	80 - 120	
Chlorobromomethane	25.0	30.1		ug/L		120	72 - 130	
Chloroethane	25.0	25.2		ug/L		101	69 - 136	
Chloroform	25.0	27.8		ug/L		111	73 - 127	
Chloromethane	25.0	26.6		ug/L		106	68 - 124	
cis-1,2-Dichloroethene	25.0	28.6		ug/L		114	74 - 124	
cis-1,3-Dichloropropene	25.0	29.6		ug/L		119	74 - 124	
Cyclohexane	25.0	30.0		ug/L		120	59 - 135	
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125	
Dichlorodifluoromethane	25.0	32.8		ug/L		131	59 - 135	Samples ND, no quals
Ethylbenzene	25.0	24.9		ug/L		100	77 - 123	
Isopropylbenzene	25.0	24.9		ug/L		100	77 - 122	
Methyl acetate	50.0	67.9	*+	ug/L		136	74 - 133	Samples ND, no quals
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120	
Methylcyclohexane	25.0	29.8		ug/L		119	68 - 134	
Methylene Chloride	25.0	29.1		ug/L		116	75 - 124	
n-Butylbenzene	25.0	25.4		ug/L		101	71 - 128	
N-Propylbenzene	25.0	24.7		ug/L		99	75 - 127	
sec-Butylbenzene	25.0	24.6		ug/L		98	74 - 127	
Styrene	25.0	25.6		ug/L		102	80 - 120	
tert-Butylbenzene	25.0	24.5		ug/L		98	75 - 123	
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122	
Toluene	25.0	25.0		ug/L		100	80 - 122	
trans-1,2-Dichloroethene	25.0	30.1		ug/L		120	73 - 127	
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120	
Trichloroethene	25.0	28.8		ug/L		115	74 - 123	
Trichlorofluoromethane	25.0	29.3		ug/L		117	62 - 150	
Vinyl chloride	25.0	25.2		ug/L		101	65 - 133	
Xylenes, Total	50.0	50.6		ug/L		101	76 - 122	

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 480-659887/1-A
Matrix: Water
Analysis Batch: 660001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		02/27/23 08:18	02/28/23 18:02	1
1,2,4,5-Tetrachlorobenzene	ND		5.0	0.58	ug/L		02/27/23 08:18	02/28/23 18:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		02/27/23 08:18	02/28/23 18:02	1

SVOC

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: Al Tech Feb 2023
Method : SW-846 8270C
Laboratory: Eurofins TAL **SDG#: 480-206390-1, 480-206416-1, 480-206437-1**
Date: 3/21/2023
Reviewer: Casey Cormier
Review Level [X] CATEGORY A

1. [X] **Case Narrative Review and Data Package Completeness** COMMENTS
   Were problems noted? YES NO (circle one)

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. [X] **Holding time and Sample Collection**
   Were water samples extracted within 7 day holding time, or soil within 14 days? YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are field blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results** (water&soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   LCS/LCSD associated with all samples had %recs for caprolactam that were less than QC limit. All samples' results UJ LCSL.

5. [X] **Matrix Spike** (water & soil limits: Base/neutral 50-140; Acid 30-140; RPD water = 20; RPD soil = 35)
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within limits? YES NO NA (circle one)

6. [X] **Surrogate Recovery** (water and soil limits: Base/Neutral 50-140%, Acid 30-140%)
   Were all results within limits? YES NO (circle one)
   Samples 480-206416-7 and 480-206437-5 had %Recs for phenol-d5 surrogate that were greater than QC limits. Samples allowed 1 surrogate outage per fraction before quals, no quals necessary.
   Were any recoveries < 10%? (Reject fraction compounds if recoveries are < 10%) YES NO (circle one)

7. [X] **Field Duplicates** (RPD limits = water:50, soil:100)
   Were Field Duplicates submitted/analyzed? YES NO

   Were RPDs within criteria. YES NO NA (circle one)

8. [X] **Reporting Limits:**
   Were samples analyzed at a dilution? YES NO (circle one)
   Samples 401003-MWI7043XX and 401003-MW2214XX were analyzed at a 5X dilution due to sample color, appearance, and viscosity

9. [X] **Electronic Data Review and Edits**:
   Does the EDD match the Form Is? YES NO (circle one)

10. [X] **Table Review**

Table 1 (Samples and Analytical Methods)
Table 2 (Analytical Results)
Table 3 (Qualification Actions)
Were all tables produced and reviewed? YES NO (circle one)

Job Narrative
480-206390-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18). Outside scope of Cat A Review

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

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

Lab Sample ID: LCS 480-659751/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 660001
Prep Batch: 659751

B:N SVOC QC Limit: 50 - 140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	32.0	30.5		ug/L		95	62 - 120
4-Methylphenol	32.0	28.1		ug/L		88	29 - 131
4-Nitroaniline	32.0	30.1		ug/L		94	65 - 120
4-Nitrophenol	64.0	51.2		ug/L		80	45 - 120
Acenaphthene	32.0	29.9		ug/L		93	60 - 120
Acenaphthylene	32.0	29.8		ug/L		93	63 - 120
Acetophenone	32.0	33.6		ug/L		105	45 - 120
Anthracene	32.0	29.5		ug/L		92	67 - 120
Atrazine	64.0	80.0		ug/L		125	71 - 130
Benzaldehyde	64.0	58.8		ug/L		92	10 - 140
Benzo(a)anthracene	32.0	34.3		ug/L		107	70 - 121
Benzo(a)pyrene	32.0	31.5		ug/L		98	60 - 123
Benzo(b)fluoranthene	32.0	31.0		ug/L		97	66 - 126
Benzo(g,h,i)perylene	32.0	31.0		ug/L		97	66 - 150
Benzo(k)fluoranthene	32.0	31.5		ug/L		99	65 - 124
Biphenyl	32.0	29.4		ug/L		92	59 - 120
bis (2-chloroisopropyl) ether	32.0	30.6		ug/L		96	21 - 136
Bis(2-chloroethoxy)methane	32.0	29.9		ug/L		93	50 - 128
Bis(2-chloroethyl)ether	32.0	36.3		ug/L		114	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.6		ug/L		108	63 - 139
Butyl benzyl phthalate	32.0	33.1		ug/L		103	70 - 129
Caprolactam UJ LCSL	64.0	22.7		ug/L		35	22 - 120
Carbazole	32.0	33.7		ug/L		105	66 - 123
Chrysene	32.0	33.1		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	31.9		ug/L		100	65 - 135
Dibenzofuran	32.0	30.2		ug/L		94	66 - 120
Diethyl phthalate	32.0	35.2		ug/L		110	59 - 127
Dimethyl phthalate	32.0	33.1		ug/L		103	68 - 120
Di-n-butyl phthalate	32.0	32.5		ug/L		101	69 - 131
Di-n-octyl phthalate	32.0	33.5		ug/L		105	63 - 140
Fluoranthene	32.0	31.4		ug/L		98	69 - 126
Fluorene	32.0	30.3		ug/L		95	66 - 120
Hexachlorobenzene	32.0	31.8		ug/L		100	61 - 120
Hexachlorobutadiene	32.0	18.8		ug/L		59	35 - 120
Hexachlorocyclopentadiene	32.0	19.4		ug/L		61	31 - 120
Hexachloroethane	32.0	20.9		ug/L		65	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	33.2		ug/L		104	69 - 146
Isophorone	32.0	30.0		ug/L		94	55 - 120
Naphthalene	32.0	24.7		ug/L		77	57 - 120
Nitrobenzene	32.0	28.2		ug/L		88	53 - 123
N-Nitrosodi-n-propylamine	32.0	34.1		ug/L		106	32 - 140
N-Nitrosodiphenylamine	32.0	30.4		ug/L		95	61 - 120
Pentachlorophenol	64.0	62.6		ug/L		98	29 - 136
Phenanthrene	32.0	29.9		ug/L		94	68 - 120
Phenol	32.0	19.6		ug/L		61	17 - 120
Pyrene	32.0	34.1		ug/L		107	70 - 125

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

Lab Sample ID: LCSD 480-659751/3-A
Matrix: Water
Analysis Batch: 660001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 659751

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether			32.0	25.9		ug/L		81	21 - 136	17	24
Bis(2-chloroethoxy)methane			32.0	25.9		ug/L		81	50 - 128	14	17
Bis(2-chloroethyl)ether			32.0	31.6		ug/L		99	44 - 120	14	21
Bis(2-ethylhexyl) phthalate			32.0	31.5		ug/L		98	63 - 139	9	15
Butyl benzyl phthalate			32.0	29.9		ug/L		94	70 - 129	10	16
Caprolactam UJ LCSL			64.0	21.1		ug/L		33	22 - 120	7	20
Carbazole			32.0	29.7		ug/L		93	66 - 123	12	20
Chrysene			32.0	29.5		ug/L		92	69 - 120	12	15
Dibenz(a,h)anthracene			32.0	28.4		ug/L		89	65 - 135	12	15
Dibenzofuran			32.0	27.1		ug/L		85	66 - 120	11	15
Diethyl phthalate			32.0	31.4		ug/L		98	59 - 127	11	15
Dimethyl phthalate			32.0	30.0		ug/L		94	68 - 120	10	15
Di-n-butyl phthalate			32.0	28.0		ug/L		88	69 - 131	15	15
Di-n-octyl phthalate			32.0	30.0		ug/L		94	63 - 140	11	16
Fluoranthene			32.0	27.2		ug/L		85	69 - 126	14	15
Fluorene			32.0	27.7		ug/L		87	66 - 120	9	15
Hexachlorobenzene			32.0	28.1		ug/L		88	61 - 120	13	15
Hexachlorobutadiene			32.0	16.2		ug/L		51	35 - 120	14	44
Hexachlorocyclopentadiene			32.0	16.4		ug/L		51	31 - 120	17	49
Hexachloroethane			32.0	18.0		ug/L		56	43 - 120	15	46
Indeno(1,2,3-cd)pyrene			32.0	29.5		ug/L		92	69 - 146	12	15
Isophorone			32.0	25.8		ug/L		81	55 - 120	15	17
Naphthalene			32.0	21.5		ug/L		67	57 - 120	14	29
Nitrobenzene			32.0	24.9		ug/L		78	53 - 123	12	24
N-Nitrosodi-n-propylamine			32.0	28.9		ug/L		90	32 - 140	16	31
N-Nitrosodiphenylamine			32.0	26.8		ug/L		84	61 - 120	13	15
Pentachlorophenol			64.0	55.8		ug/L		87	29 - 136	11	37
Phenanthrene			32.0	26.7		ug/L		84	68 - 120	11	15
Phenol			32.0	17.1		ug/L		53	17 - 120	14	34
Pyrene			32.0	30.8		ug/L		96	70 - 125	10	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*101*		*41 - 120*
2-Fluorobiphenyl	*90*		*48 - 120*
2-Fluorophenol	*61*		*35 - 120*
Nitrobenzene-d5	*79*		*46 - 120*
Phenol-d5	*50*		*22 - 120*
p-Terphenyl-d14	*103*		*60 - 148*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-659709/1-A
Matrix: Water
Analysis Batch: 659738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		02/23/23 15:23	02/24/23 17:57	1
Oil Range Organics (C20-C34)	ND		0.50	0.31	mg/L		02/23/23 15:23	02/24/23 17:57	1
Diesel Range Organics (C10-C20)	ND		0.50	0.31	mg/L		02/23/23 15:23	02/24/23 17:57	1

Job Narrative
480-206416-1

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Outside scope of Cat A Review

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

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

Lab Sample ID: LCS 480-659751/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 660001
Prep Batch: 659751

B:N SVOC QC Limit: 50 - 140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	32.0	30.5		ug/L		95	62 - 120
4-Methylphenol	32.0	28.1		ug/L		88	29 - 131
4-Nitroaniline	32.0	30.1		ug/L		94	65 - 120
4-Nitrophenol	64.0	51.2		ug/L		80	45 - 120
Acenaphthene	32.0	29.9		ug/L		93	60 - 120
Acenaphthylene	32.0	29.8		ug/L		93	63 - 120
Acetophenone	32.0	33.6		ug/L		105	45 - 120
Anthracene	32.0	29.5		ug/L		92	67 - 120
Atrazine	64.0	80.0		ug/L		125	71 - 130
Benzaldehyde	64.0	58.8		ug/L		92	10 - 140
Benzo(a)anthracene	32.0	34.3		ug/L		107	70 - 121
Benzo(a)pyrene	32.0	31.5		ug/L		98	60 - 123
Benzo(b)fluoranthene	32.0	31.0		ug/L		97	66 - 126
Benzo(g,h,i)perylene	32.0	31.0		ug/L		97	66 - 150
Benzo(k)fluoranthene	32.0	31.5		ug/L		99	65 - 124
Biphenyl	32.0	29.4		ug/L		92	59 - 120
bis (2-chloroisopropyl) ether	32.0	30.6		ug/L		96	21 - 136
Bis(2-chloroethoxy)methane	32.0	29.9		ug/L		93	50 - 128
Bis(2-chloroethyl)ether	32.0	36.3		ug/L		114	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.6		ug/L		108	63 - 139
Butyl benzyl phthalate	32.0	33.1		ug/L		103	70 - 129
Caprolactam UJ LCSL	64.0	22.7		ug/L		35	22 - 120
Carbazole	32.0	33.7		ug/L		105	66 - 123
Chrysene	32.0	33.1		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	31.9		ug/L		100	65 - 135
Dibenzofuran	32.0	30.2		ug/L		94	66 - 120
Diethyl phthalate	32.0	35.2		ug/L		110	59 - 127
Dimethyl phthalate	32.0	33.1		ug/L		103	68 - 120
Di-n-butyl phthalate	32.0	32.5		ug/L		101	69 - 131
Di-n-octyl phthalate	32.0	33.5		ug/L		105	63 - 140
Fluoranthene	32.0	31.4		ug/L		98	69 - 126
Fluorene	32.0	30.3		ug/L		95	66 - 120
Hexachlorobenzene	32.0	31.8		ug/L		100	61 - 120
Hexachlorobutadiene	32.0	18.8		ug/L		59	35 - 120
Hexachlorocyclopentadiene	32.0	19.4		ug/L		61	31 - 120
Hexachloroethane	32.0	20.9		ug/L		65	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	33.2		ug/L		104	69 - 146
Isophorone	32.0	30.0		ug/L		94	55 - 120
Naphthalene	32.0	24.7		ug/L		77	57 - 120
Nitrobenzene	32.0	28.2		ug/L		88	53 - 123
N-Nitrosodi-n-propylamine	32.0	34.1		ug/L		106	32 - 140
N-Nitrosodiphenylamine	32.0	30.4		ug/L		95	61 - 120
Pentachlorophenol	64.0	62.6		ug/L		98	29 - 136
Phenanthrene	32.0	29.9		ug/L		94	68 - 120
Phenol	32.0	19.6		ug/L		61	17 - 120
Pyrene	32.0	34.1		ug/L		107	70 - 125

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

Lab Sample ID: LCSD 480-659751/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 660001
Prep Batch: 659751

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether			32.0	25.9		ug/L		81	21 - 136	17	24
Bis(2-chloroethoxy)methane			32.0	25.9		ug/L		81	50 - 128	14	17
Bis(2-chloroethyl)ether			32.0	31.6		ug/L		99	44 - 120	14	21
Bis(2-ethylhexyl) phthalate			32.0	31.5		ug/L		98	63 - 139	9	15
Butyl benzyl phthalate			32.0	29.9		ug/L		94	70 - 129	10	16
Caprolactam		UJ LCSL	64.0	21.1		ug/L		33	22 - 120	7	20
Carbazole			32.0	29.7		ug/L		93	66 - 123	12	20
Chrysene			32.0	29.5		ug/L		92	69 - 120	12	15
Dibenz(a,h)anthracene			32.0	28.4		ug/L		89	65 - 135	12	15
Dibenzofuran			32.0	27.1		ug/L		85	66 - 120	11	15
Diethyl phthalate			32.0	31.4		ug/L		98	59 - 127	11	15
Dimethyl phthalate			32.0	30.0		ug/L		94	68 - 120	10	15
Di-n-butyl phthalate			32.0	28.0		ug/L		88	69 - 131	15	15
Di-n-octyl phthalate			32.0	30.0		ug/L		94	63 - 140	11	16
Fluoranthene			32.0	27.2		ug/L		85	69 - 126	14	15
Fluorene			32.0	27.7		ug/L		87	66 - 120	9	15
Hexachlorobenzene			32.0	28.1		ug/L		88	61 - 120	13	15
Hexachlorobutadiene			32.0	16.2		ug/L		51	35 - 120	14	44
Hexachlorocyclopentadiene			32.0	16.4		ug/L		51	31 - 120	17	49
Hexachloroethane			32.0	18.0		ug/L		56	43 - 120	15	46
Indeno(1,2,3-cd)pyrene			32.0	29.5		ug/L		92	69 - 146	12	15
Isophorone			32.0	25.8		ug/L		81	55 - 120	15	17
Naphthalene			32.0	21.5		ug/L		67	57 - 120	14	29
Nitrobenzene			32.0	24.9		ug/L		78	53 - 123	12	24
N-Nitrosodi-n-propylamine			32.0	28.9		ug/L		90	32 - 140	16	31
N-Nitrosodiphenylamine			32.0	26.8		ug/L		84	61 - 120	13	15
Pentachlorophenol			64.0	55.8		ug/L		87	29 - 136	11	37
Phenanthrene			32.0	26.7		ug/L		84	68 - 120	11	15
Phenol			32.0	17.1		ug/L		53	17 - 120	14	34
Pyrene			32.0	30.8		ug/L		96	70 - 125	10	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*101*		*41 - 120*
2-Fluorobiphenyl	*90*		*48 - 120*
2-Fluorophenol	*61*		*35 - 120*
Nitrobenzene-d5	*79*		*46 - 120*
Phenol-d5	*50*		*22 - 120*
p-Terphenyl-d14	*103*		*60 - 148*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-659709/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 659738
Prep Batch: 659709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		02/23/23 15:23	02/24/23 17:57	1
Oil Range Organics (C20-C34)	ND		0.50	0.31	mg/L		02/23/23 15:23	02/24/23 17:57	1

Surrogate Summary

Client: WSP USA Environment & Infrastructure Inc.
Job ID: 480-206416-1
Project/Site: NYSDEC Al Tech

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-206416-1	401003-MW1813XX	103	102	104	101
480-206416-3	401003-MWG50111XX	102	102	103	101
480-206416-4	401003-PES0512XX	102	101	104	101
480-206416-5	401003-MW1918XX	103	103	105	100
480-206416-6	401003-MW19B38XX	103	101	105	101
480-206416-7	401003-MWI7043XX	101	102	103	99
480-206416-8	401003-MW04B46XX	101	102	103	102
480-206416-9	401003-MW0413XX	102	101	104	100
480-206416-10	TRIP BLANK	101	102	103	100
LCS 480-659770/7	Lab Control Sample	100	103	101	102
MB 480-659770/9	Method Blank	100	103	103	101

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		TBP	FBP	2FP	NBZ	PHL	TPHd14	
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)	
480-206416-1	401003-MW1813XX	94	89	51	71	37	79	
480-206416-3	401003-MWG50111XX	113	111	73	97	53	90	
480-206416-4	401003-PES0512XX	105	104	70	90	52	101	
480-206416-5	401003-MW1918XX	81	87	49	67	35	85	
480-206416-6	401003-MW19B38XX	89	90	57	76	41	101	
480-206416-7	401003-MWI7043XX	129 S1+	114	77	86	44	93	Sample allowed 1 surrogate out per fraction before qualification, no quals necessary
480-206416-8	401003-MW04B46XX	80	81	54	68	39	94	
480-206416-9	401003-MW0413XX	116	102	70	86	50	92	
LCS 480-659751/2-A	Lab Control Sample	113	101	69	93	58	114	
LCSD 480-659751/3-A	Lab Control Sample Dup	101	90	61	79	50	103	
MB 480-659751/1-A	Method Blank	73	97	62	84	45	114	

Surrogate Legend

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

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(51-120)
480-206416-1	401003-MW1813XX	54

Job Narrative
480-206437-1

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Outside scope of Cat A Review

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Outside scope of Cat A Review

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

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

Lab Sample ID: LCS 480-659887/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 660001
Prep Batch: 659887

B:N SVOC QC Limit: 50 - 140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	32.0	27.4		ug/L		86	62 - 120
4-Methylphenol	32.0	25.9		ug/L		81	29 - 131
4-Nitroaniline	32.0	26.1		ug/L		81	65 - 120
4-Nitrophenol	64.0	47.9		ug/L		75	45 - 120
Acenaphthene	32.0	26.5		ug/L		83	60 - 120
Acenaphthylene	32.0	26.3		ug/L		82	63 - 120
Acetophenone	32.0	30.3		ug/L		95	45 - 120
Anthracene	32.0	26.9		ug/L		84	67 - 120
Atrazine	64.0	72.4		ug/L		113	71 - 130
Benzaldehyde	64.0	52.3		ug/L		82	10 - 140
Benzo(a)anthracene	32.0	30.9		ug/L		96	70 - 121
Benzo(a)pyrene	32.0	29.0		ug/L		91	60 - 123
Benzo(b)fluoranthene	32.0	29.1		ug/L		91	66 - 126
Benzo(g,h,i)perylene	32.0	29.5		ug/L		92	66 - 150
Benzo(k)fluoranthene	32.0	29.5		ug/L		92	65 - 124
Biphenyl	32.0	26.2		ug/L		82	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.3		ug/L		85	21 - 136
Bis(2-chloroethoxy)methane	32.0	27.3		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	32.0	32.7		ug/L		102	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.8		ug/L		103	63 - 139
Butyl benzyl phthalate	32.0	31.5		ug/L		98	70 - 129
Caprolactam UJ LCSL	64.0	21.8		ug/L		34	22 - 120
Carbazole	32.0	30.7		ug/L		96	66 - 123
Chrysene	32.0	30.8		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	30.4		ug/L		95	65 - 135
Dibenzofuran	32.0	26.7		ug/L		83	66 - 120
Diethyl phthalate	32.0	31.3		ug/L		98	59 - 127
Dimethyl phthalate	32.0	28.7		ug/L		90	68 - 120
Di-n-butyl phthalate	32.0	29.4		ug/L		92	69 - 131
Di-n-octyl phthalate	32.0	31.7		ug/L		99	63 - 140
Fluoranthene	32.0	28.0		ug/L		88	69 - 126
Fluorene	32.0	27.1		ug/L		85	66 - 120
Hexachlorobenzene	32.0	28.7		ug/L		90	61 - 120
Hexachlorobutadiene	32.0	17.3		ug/L		54	35 - 120
Hexachlorocyclopentadiene	32.0	18.8		ug/L		59	31 - 120
Hexachloroethane	32.0	19.4		ug/L		61	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	32.2		ug/L		101	69 - 146
Isophorone	32.0	27.0		ug/L		84	55 - 120
Naphthalene	32.0	22.5		ug/L		70	57 - 120
Nitrobenzene	32.0	25.8		ug/L		81	53 - 123
N-Nitrosodi-n-propylamine	32.0	30.9		ug/L		97	32 - 140
N-Nitrosodiphenylamine	32.0	27.1		ug/L		85	61 - 120
Pentachlorophenol	64.0	62.4		ug/L		98	29 - 136
Phenanthrene	32.0	26.9		ug/L		84	68 - 120
Phenol	32.0	17.6		ug/L		55	17 - 120
Pyrene	32.0	31.6		ug/L		99	70 - 125

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

Lab Sample ID: LCSD 480-659887/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 660001
Prep Batch: 659887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether			32.0	27.2		ug/L		85	21 - 136	0	24
Bis(2-chloroethoxy)methane			32.0	27.5		ug/L		86	50 - 128	1	17
Bis(2-chloroethyl)ether			32.0	32.8		ug/L		102	44 - 120	0	21
Bis(2-ethylhexyl) phthalate			32.0	32.7		ug/L		102	63 - 139	0	15
Butyl benzyl phthalate			32.0	31.2		ug/L		97	70 - 129	1	16
Caprolactam	UJ LCSL		64.0	22.8		ug/L		36	22 - 120	5	20
Carbazole			32.0	31.7		ug/L		99	66 - 123	3	20
Chrysene			32.0	30.2		ug/L		94	69 - 120	2	15
Dibenz(a,h)anthracene			32.0	29.4		ug/L		92	65 - 135	4	15
Dibenzofuran			32.0	28.1		ug/L		88	66 - 120	5	15
Diethyl phthalate			32.0	33.2		ug/L		104	59 - 127	6	15
Dimethyl phthalate			32.0	31.1		ug/L		97	68 - 120	8	15
Di-n-butyl phthalate			32.0	30.0		ug/L		94	69 - 131	2	15
Di-n-octyl phthalate			32.0	31.5		ug/L		99	63 - 140	0	16
Fluoranthene			32.0	28.1		ug/L		88	69 - 126	0	15
Fluorene			32.0	28.7		ug/L		90	66 - 120	6	15
Hexachlorobenzene			32.0	30.2		ug/L		94	61 - 120	5	15
Hexachlorobutadiene			32.0	17.0		ug/L		53	35 - 120	2	44
Hexachlorocyclopentadiene			32.0	18.9		ug/L		59	31 - 120	1	49
Hexachloroethane			32.0	19.0		ug/L		59	43 - 120	2	46
Indeno(1,2,3-cd)pyrene			32.0	31.0		ug/L		97	69 - 146	4	15
Isophorone			32.0	27.3		ug/L		85	55 - 120	1	17
Naphthalene			32.0	22.8		ug/L		71	57 - 120	1	29
Nitrobenzene			32.0	26.3		ug/L		82	53 - 123	2	24
N-Nitrosodi-n-propylamine			32.0	30.8		ug/L		96	32 - 140	1	31
N-Nitrosodiphenylamine			32.0	28.4		ug/L		89	61 - 120	5	15
Pentachlorophenol			64.0	61.9		ug/L		97	29 - 136	1	37
Phenanthrene			32.0	28.0		ug/L		87	68 - 120	4	15
Phenol			32.0	18.5		ug/L		58	17 - 120	5	34
Pyrene			32.0	32.0		ug/L		100	70 - 125	1	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*41 - 120*
2-Fluorobiphenyl	*95*		*48 - 120*
2-Fluorophenol	*66*		*35 - 120*
Nitrobenzene-d5	*85*		*46 - 120*
Phenol-d5	*55*		*22 - 120*
p-Terphenyl-d14	*111*		*60 - 148*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-659959/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 659987
Prep Batch: 659959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.50	0.31	mg/L		02/27/23 14:46	02/28/23 14:02	1
Oil Range Organics (C20-C34)	ND		0.50	0.31	mg/L		02/27/23 14:46	02/28/23 14:02	1

Surrogate Summary

Client: WSP USA Environment & Infrastructure Inc.
Job ID: 480-206437-1
Project/Site: NYSDEC Al Tech

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-206437-1	401003-MW05B54XX	102	86	105	97
480-206437-2	401003-MW0513XX	106	94	107	100
480-206437-3	401003-MW06B59XX	106	96	106	98
480-206437-4	401003-MW2214XX	105	90	106	90
480-206437-5	401003-MW0612XX	100	97	105	95
480-206437-7	401003-TRIPBLANK	100	95	106	96
480-206437-8	401003-MW1707XX	99	91	105	94
LCS 480-659879/9	Lab Control Sample	104	92	112	97
MB 480-659879/11	Method Blank	103	96	105	95

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
		TBP	FBP	2FP	NBZ	PHL	TPHd14	
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)	
480-206437-1	401003-MW05B54XX	93	94	66	83	47	101	
480-206437-2	401003-MW0513XX	100	107	73	89	52	103	
480-206437-3	401003-MW06B59XX	99	107	74	91	56	106	Sample allowed 1 surrogate out per fraction before qualification, no quals necessary
480-206437-4	401003-MW2214XX	112	109	70	87	41	85	
480-206437-5	401003-MW0612XX	123 S1+	99	68	82	51	98	
480-206437-8	401003-MW1707XX	109	107	63	86	45	108	
LCS 480-659887/2-A	Lab Control Sample	101	92	63	86	52	106	
LCSD 480-659887/3-A	Lab Control Sample Dup	108	95	66	85	55	111	
MB 480-659887/1-A	Method Blank	89	97	65	86	49	110	

Surrogate Legend

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

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(51-120)
480-206437-1	401003-MW05B54XX	65
480-206437-2	401003-MW0513XX	65
480-206437-3	401003-MW06B59XX	57
480-206437-5	401003-MW0612XX	65
480-206437-8	401003-MW1707XX	63

PCBs

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: Al Tech_____
Method : PCB by Method 8082A_____
Laboratory and SDG(s): Eurofins TAL_____
Date: 3/22/2023_____
Reviewer: Casey Cormier_____
Review Level [X] Category A Review

1. [X] **Case Narrative Review and Data Package Completeness**

   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)
   Sample 401003-MW1111XX was incorrectly logged-in as 401003-MW111X

2. [X] **Holding time and Sample Collection**
   There is no holding time requirement in Method 8082 (Chapter 4, Table 4-1 of SW-846)

   Were samples properly preserved? YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results**
   Were all results within limits? (50-150 project limits) YES NO (circle one)

5. [X] **Matrix Spike** (soil and water limits: 29-135% and RPD of 20, RPD is 15 for Aroclor 1016)
   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. [X] **Surrogate Recovery**
   Were all percent recoveries within limits? (soil and water limits: 30-150%) YES NO (circle one)
   Sample 401003-MW0612XX had a %Rec for decachlorobiphenyl surrogate that was less than QC limits. UJ SSL all results.

7. [X] **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

8. [X] **Reporting Limits:** Were samples analyzed at a dilution? YES NO (circle one)

9. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form I's? YES NO (circle one)
   See above note about sample ID discrepancy

11. [X] **Table Review**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)

   Were all tables produced and reviewed? YES NO (circle one)

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

Surrogate Summary

Client: WSP USA Environment & Infrastructure Inc. Job ID: 480-206437-1
Project/Site: NYSDEC Al Tech

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (51-120)
LCS 480-659959/2-A	Lab Control Sample	72
LCSD 480-659959/3-A	Lab Control Sample Dup	75
MB 480-659959/1-A	Method Blank	69

Surrogate Legend

OTPH = o-Terphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water **Prep Type: Total/NA**

8082 Surr %Rec QC Limit: 30 - 150

		Percent Surrogate Recovery (Acceptance Limits)				
Lab Sample ID	Client Sample ID	DCBP1 (25-120)	DCBP2 (25-120)	TCX1 (25-139)	TCX2 (25-139)	
480-206437-1	401003-MW05B54XX	50	47	41	40	
480-206437-2	401003-MW0513XX	39	36	61	61	
480-206437-3	401003-MW06B59XX	71	65	57	57	
480-206437-4	401003-MW2214XX	46	40	55	53	
480-206437-5	401003-MW0612XX	31	27	50	45	UJ SSL
480-206437-6	401003-MW03B45XX	50	45	45	46	
480-206437-8	401003-MW1707XX	71	64	60	59	
480-206437-9	401003-MW1211XX	43	39	72	71	
480-206437-10	401003-MW0120XX	55	49	58	58	
LCS 480-659832/2-A	Lab Control Sample	60	52	72	71	
LCSD 480-659832/3-A	Lab Control Sample Dup	59	54	68	68	
MB 480-659832/1-A	Method Blank	59	50	80	78	

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: Al Tech
Method : DRO by Method SW8015D
Laboratory and SDG(s): Eurofins TAL 480-206390-1, 480-206390-1, 480-206390-1
Date: 3/22/2023
Reviewer: Casey Cormier
Review Level [X] Category A Review

1. [X] **Case Narrative Review and Data Package Completeness**
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. [X] **Holding time and Sample Collection**
   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results**
   Were all results were within lab limits? YES NO (circle one)

5. [X] **Matrix Spike** (lab limits)
   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)

6. [X] **Surrogate Recovery**
   Were all results were within lab limits? YES NO (circle one)

7. [X] **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

8. [X] **Reporting Limits**
   Were samples analyzed at a dilution? YES NO (circle one)

9. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

10. [X] **Table Review:**
    Table 1 (Samples and Analytical Methods)
    Table 2 (Analytical Results)
    Table 3 (Qualification Actions)
    Were all tables produced and reviewed? YES NO (circle one)

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

METALS

NYSDEC CATEGORY A REVIEW RECORD
Project: Al Tech
Method : Metals by Methods 6010C and 7470A
Laboratory and SDG(s): 480-206390-1, 480-206416-1, 480-206437-1
Date: 3/22/2023
Reviewer: Casey Cormier

Review Level [X] CATEGORY A

1. [X] **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)
   Sample 401003-MW1111XX incorrectly logged-in as 401003-MW111XX

2. [X] **Holding time and Sample Collection**
   Were all samples prepared and analyzed with the holding time (6 months)? YES NO

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)
   Manganese detected in MB associated with all samples in SDG 480-206390-1. Sample concs >> MB conc, no quals necessary.
   Manganese was detected in the MB associated with the dissolved samples in SDG 480-206416-1. Sample conc > MB conc, no quals necessary.
   Nickel was detected in the MB associated with dissolved sample 480-206437-1 and 480-206437-6. Samples ND, no quals

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. [X] **Matrix Spike**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results were within 75-125% limits? YES NO NA (circle one)

6. [X] **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20) YES NO NA (circle one)
   Soil RPD within limit? (35) YES NO NA (circle one)

7. [X] **Reporting Limits**
   Were samples analyzed at a dilution? YES NO (circle one)

8. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)
   See above note about sample ID discrepancy

9. [X] **Table Review**:
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

Job Narrative
480-206390-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Method: 8082A - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: LCS 480-659645/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 659875 — **Prep Batch: 659645**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1.00	1.16		ug/L		116	64 - 129
PCB-1260	1.00	0.981		ug/L		98	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*25 - 120*
DCB Decachlorobiphenyl	*50*		*25 - 120*
Tetrachloro-m-xylene	*91*		*25 - 139*
Tetrachloro-m-xylene	*99*		*25 - 139*

Lab Sample ID: LCSD 480-659645/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 659875 — **Prep Batch: 659645**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	1.00	1.07		ug/L		107	64 - 129	8	50
PCB-1260	1.00	0.993		ug/L		99	55 - 120	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*25 - 120*
DCB Decachlorobiphenyl	*51*		*25 - 120*
Tetrachloro-m-xylene	*90*		*25 - 139*
Tetrachloro-m-xylene	*100*		*25 - 139*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-659576/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 659898 — **Prep Batch: 659576**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		02/24/23 08:32	02/24/23 21:08	1
Barium	ND		0.0020	0.00070	mg/L		02/24/23 08:32	02/24/23 21:08	1
Chromium	ND		0.0040	0.0010	mg/L		02/24/23 08:32	02/24/23 21:08	1
Copper	ND		0.010	0.0016	mg/L		02/24/23 08:32	02/24/23 21:08	1
Lead	ND		0.010	0.0030	mg/L		02/24/23 08:32	02/24/23 21:08	1
Manganese	0.000690	J	0.0030	0.00040	mg/L		02/24/23 08:32	02/24/23 21:08	1
Molybdenum	ND		0.010	0.0036	mg/L		02/24/23 08:32	02/24/23 21:08	1
Nickel	ND		0.010	0.0013	mg/L		02/24/23 08:32	02/24/23 21:08	1
Selenium	ND		0.025	0.0087	mg/L		02/24/23 08:32	02/24/23 21:08	1

Sample conc > MB conc, no quals

Lab Sample ID: LCS 480-659576/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 659898 — **Prep Batch: 659576**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.221		mg/L		110	80 - 120
Barium	0.200	0.219		mg/L		110	80 - 120
Chromium	0.200	0.211		mg/L		106	80 - 120

Job Narrative
480-206416-1

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

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

Lab Sample ID: LCS 480-659687/2-A
Matrix: Water
Analysis Batch: 659893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.200	0.203		mg/L		101	80 - 120
Lead	0.200	0.204		mg/L		102	80 - 120
Manganese	0.200	0.215		mg/L		108	80 - 120
Molybdenum	0.200	0.215		mg/L		107	80 - 120
Nickel	0.200	0.204		mg/L		102	80 - 120
Selenium	0.200	0.199		mg/L		99	80 - 120

Lab Sample ID: MB 480-659568/1-A
Matrix: Water
Analysis Batch: 659897

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 659568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.015	0.0056	mg/L		02/24/23 08:33	02/24/23 19:22	1
Barium, Dissolved	ND		0.0020	0.00070	mg/L		02/24/23 08:33	02/24/23 19:22	1
Chromium, Dissolved	ND		0.0040	0.0010	mg/L		02/24/23 08:33	02/24/23 19:22	1
Copper, Dissolved	ND		0.010	0.0016	mg/L		02/24/23 08:33	02/24/23 19:22	1
Lead, Dissolved	ND		0.010	0.0030	mg/L		02/24/23 08:33	02/24/23 19:22	1
Manganese, Dissolved	0.000400	J	0.0030	0.00040	mg/L		02/24/23 08:33	02/24/23 19:22	1
Molybdenum, Dissolved	ND		0.010	0.0036	mg/L		02/24/23 08:33	02/24/23 19:22	1
Nickel, Dissolved	ND		0.010	0.0013	mg/L		02/24/23 08:33	02/24/23 19:22	1
Selenium, Dissolved	ND		0.025	0.0087	mg/L		02/24/23 08:33	02/24/23 19:22	1

Sample conc > MB conc, no quals

Lab Sample ID: LCS 480-659568/2-A
Matrix: Water
Analysis Batch: 659897

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 659568

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.200	0.222		mg/L		111	80 - 120
Barium, Dissolved	0.200	0.219		mg/L		110	80 - 120
Chromium, Dissolved	0.200	0.213		mg/L		106	80 - 120
Copper, Dissolved	0.200	0.207		mg/L		103	80 - 120
Lead, Dissolved	0.200	0.206		mg/L		103	80 - 120
Manganese, Dissolved	0.200	0.216		mg/L		108	80 - 120
Molybdenum, Dissolved	0.200	0.216		mg/L		108	80 - 120
Nickel, Dissolved	0.200	0.203		mg/L		102	80 - 120
Selenium, Dissolved	0.200	0.200		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-659912/1-A
Matrix: Water
Analysis Batch: 659962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		02/27/23 11:01	02/27/23 14:39	1

Job Narrative
480-206437-1

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

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

Lab Sample ID: LCS 480-659830/2-A
Matrix: Water
Analysis Batch: 660089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.207		mg/L		104	80 - 120
Barium	0.200	0.226		mg/L		113	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Copper	0.200	0.203		mg/L		101	80 - 120
Manganese	0.200	0.228		mg/L		114	80 - 120
Molybdenum	0.200	0.221		mg/L		111	80 - 120
Selenium	0.200	0.207		mg/L		103	80 - 120

Lab Sample ID: LCS 480-659830/2-A
Matrix: Water
Analysis Batch: 660295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.200	0.170		mg/L		85	80 - 120
Nickel	0.200	0.168		mg/L		84	80 - 120

Lab Sample ID: MB 480-659823/1-A
Matrix: Water
Analysis Batch: 660084

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 659823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	ND		0.015	0.0056	mg/L		02/27/23 08:05	02/28/23 00:48	1
Chromium, Dissolved	ND		0.0040	0.0010	mg/L		02/27/23 08:05	02/28/23 00:48	1
Copper, Dissolved	ND		0.010	0.0016	mg/L		02/27/23 08:05	02/28/23 00:48	1
Molybdenum, Dissolved	ND		0.010	0.0036	mg/L		02/27/23 08:05	02/28/23 00:48	1
Selenium, Dissolved	ND		0.025	0.0087	mg/L		02/27/23 08:05	02/28/23 00:48	1

Lab Sample ID: MB 480-659823/1-A
Matrix: Water
Analysis Batch: 660308

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 659823

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium, Dissolved	ND		0.0020	0.00070	mg/L		02/27/23 08:05	03/01/23 12:10	1
Lead, Dissolved	ND		0.010	0.0030	mg/L		02/27/23 08:05	03/01/23 12:10	1
Manganese, Dissolved	ND		0.0030	0.00040	mg/L		02/27/23 08:05	03/01/23 12:10	1
Nickel, Dissolved	Sample ND, no quals	0.00136	J	0.010	0.0013	mg/L		02/27/23 08:05	03/01/23 12:10	1

Lab Sample ID: LCS 480-659823/2-A
Matrix: Water
Analysis Batch: 660084

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 659823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.200	0.215		mg/L		107	80 - 120
Chromium, Dissolved	0.200	0.201		mg/L		101	80 - 120
Copper, Dissolved	0.200	0.211		mg/L		105	80 - 120
Molybdenum, Dissolved	0.200	0.233		mg/L		116	80 - 120
Selenium, Dissolved	0.200	0.216		mg/L		108	80 - 120

Hexavalent Chromium

NYSDEC CATEGORY A REVIEW RECORD
Project: Al Tech
Method : Hexavalent Chromium by Method SW7199
Laboratory and SDG(s): SGS Dayton JD60629 & JD60793
Date: 3/23/2023
Reviewer: Casey Cormier

Review Level [X] CATEGORY A

1. [X] **Case Narrative Review and Data Package Completeness** COMMENTS
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)
   Various sample IDs were changed to match Eurofins sample ID

2. [X] **Holding time and Sample Collection**
   Were all samples prepped and analyzed with the holding time (24hrs water)? YES NO
   A subset of samples in JD60629 analyzed outside of holding time
   Were all samples properly preserved? YES NO
3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are rinse blanks free of contamination? YES NO NA

4. [X] **Laboratory Control Sample Results**
   Were all LCS recoveries within 80-120? YES NO

5. [X] **Matrix Spike Results**
   Were MS/MSDs submitted/analyzed? YES NO

   Were all results within Lab limits? YES NO NA (circle one)

6. [X] **Field Duplicates**
   Were Field Duplicates submitted/analyzed? YES NO

   Aqueous RPD within limit? (20%) YES NO NA (circle one)

   Soil RPD within limit? (35%) YES NO NA (circle one)

7. [X] **Reporting Limits**
   Were samples analyzed at a dilution? YES NO (circle one)

8. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form I's? YES NO (circle one)
   See above note about sample ID changes
9. [X] **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)

   Were all tables produced and reviewed? YES NO (circle one)

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD60629
Site:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY	**Report Date**	3/2/2023 12:29:59 PM

On 02/22/2023, 13 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.9 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD60629 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

General Chemistry By Method SW846 7199

Matrix: AQ **Batch ID:** GP45255

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD60629-10DUP, JD60629-10MS were used as the QC samples for Chromium, Hexavalent.
- JD60629-3 for Chromium, Hexavalent: Analysis done out of holding time.
- JD60629-2 for Chromium, Hexavalent: Analysis done out of holding time.
- JD60629-1 for Chromium, Hexavalent: Analysis done out of holding time.
- JD60629-6 for Chromium, Hexavalent: Analysis done out of holding time.
- JD60629-8 for Chromium, Hexavalent: Analysis done out of holding time.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Report of Analysis

Client Sample ID:	401003-MW4309XX		
Lab Sample ID:	JD60629-1	**Date Sampled:**	02/21/23
Matrix:	AQ - Ground Water	**Date Received:**	02/22/23
		Percent Solids:	n/a
Project:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.0055 UJ HT	0.0055	mg/l	1	02/22/23 14:38	RI	SW846 7199

(a) Analysis done out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	401003-MW3914XX		
Lab Sample ID:	JD60629-2	**Date Sampled:**	02/21/23
Matrix:	AQ - Ground Water	**Date Received:**	02/22/23
		Percent Solids:	n/a
Project:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.0055	0.0055	mg/l	1	02/22/23 14:06	RI	SW846 7199
	UJ HT						

(a) Analysis done out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	401003-MW3714XX		
Lab Sample ID:	JD60629-3	**Date Sampled:**	02/21/23
Matrix:	AQ - Ground Water	**Date Received:**	02/22/23
		Percent Solids:	n/a
Project:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.0055	0.0055	mg/l	1	02/22/23 11:44	RI	SW846 7199

Analyzed within 25 hours, professional judgement no quals

(a) Analysis done out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	401003-MW08B38XX		
Lab Sample ID:	JD60629-6	**Date Sampled:**	02/21/23
Matrix:	AQ - Ground Water	**Date Received:**	02/22/23
		Percent Solids:	n/a
Project:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.0055 UJ HT	0.0055	mg/l	1	02/22/23 14:54	RI	SW846 7199

(a) Analysis done out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	401003-MW2413XX		
Lab Sample ID:	JD60629-8	**Date Sampled:**	02/21/23
Matrix:	AQ - Ground Water	**Date Received:**	02/22/23
		Percent Solids:	n/a
Project:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	0.47	0.0055 J HT	mg/l	1	02/22/23 15:18	RI	SW846 7199

(a) Analysis done out of holding time.

RL = Reporting Limit

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	WSP USA Environment & Infrastructure Inc	**Job No:**	JD60793
Site:	AL Tech Specialty Steel, 200 Spring Street Road, Colonie, NY	**Report Date**	3/6/2023 11:57:56 AM

On 02/24/2023, 2 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 3.7 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD60793 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

General Chemistry By Method SW846 7199

Matrix: AQ **Batch ID:** GP45292

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD60793-1DUP, JD60793-1MS were used as the QC samples for the Chromium, Hexavalent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

GENERAL CHEMISTRY

NYSDEC PROJECT CATEGORY A REVIEW RECORD
Project: Al Tech
Method : Ammonia by Method E350.1, Sulfate/Flouride by Method E300.0, Nitrate by Method E353.2
Laboratory and SDG(s): Eurofins TAL 480-206390-1, 480-206416-, 480-206437-1
Date: 3/22/2023
Reviewer: Casey Cormier
Review Level [X] Category A Review

1. [X] **Case Narrative Review and Data Package Completeness**
   Were all the samples on the COC analyzed for the requested analyses? YES NO (circle one)

   Are Field Sample IDs and Locations assigned correctly? YES NO (circle one)

2. [X] **Holding time and Sample Collection**
   Were all samples properly preserved? YES NO (circle one)

   Were all samples analyzed within the method/project holding times? YES NO (circle one)

3. [X] **QC Blanks**
   Are method blanks free of contamination? YES NO (circle one)

   Are Rinse blanks free of contamination? YES NO NA (circle one)

4. [X] **Laboratory Control Sample Results**
   Were all results were within 80-120% limits? YES NO (circle one)

5. [X] **Matrix Spike** (Lab Limits)
   Were MS/MSDs submitted/analyzed? YES NO (circle one)

   Were all results were within limits? YES NO NA (circle one)
   The MS associated with sample 401003-MW0413XX had a %Rec for ammonia (119) that was greater than the lab limit of 110. J+ MSH

6. [X] **Field Duplicates** (RPD limits for soil=100, water = 50)
   Were Field Duplicates submitted/analyzed? YES NO
   Were RPDs within the limits? YES NO NA (circle one)

7. [X] **Reporting Limits**
   Were samples analyzed at a dilution? YES NO (circle one)
   Samples 401003-MW08B38XX, 401003-MW1507XX, 401003-PES0512XX, 401002-MW1918XX, 401003-MW19B38XX, 401003-MW04B46XX, 401003-MW0413XX, and 401003-MW1707XX were analyzed by Method E300.0 at a 5X dilution

8. [X] **Electronic Data Review and Edits**
   Does the EDD match the Form Is? YES NO (circle one)

9. [X] **Table Review:**
   Table 1 (Samples and Analytical Methods)
   Table 2 (Analytical Results)
   Table 3 (Qualification Actions)
   Were all tables produced and reviewed? YES NO (circle one)

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.6º C, 1.8º C and 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659613 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 401003-DP0912XX (480-206390-2), 401003-MW27R12XX (480-206390-3), 401003-MW4309XX (480-206390-5), 401003-MW08B38XX (480-206390-9), 401003-MW1507XX (480-206390-14), 401003-TRIP BLANK (480-206390-17) and 401003-PES0712XX (480-206390-18).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-PES0712XX (480-206390-18). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-MW08B38XX (480-206390-9) and 401003-MW1507XX (480-206390-14). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659645.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 401003-PES0712XX (480-206390-18). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Comments
No additional comments.

Receipt
The samples were received on 2/23/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.4º C, 1.7º C, 2.1º C and 2.6º C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 401003-MWI7043XX (480-206416-7) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MWI7043XX (480-206416-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MWI7043XX (480-206416-7). These results have been reported and qualified.

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

HPLC/IC
Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: 401003-PES0512XX (480-206416-4), 401003-MW1918XX (480-206416-5), 401003-MW19B38XX (480-206416-6), 401003-MW04B46XX (480-206416-8) and 401003-MW0413XX (480-206416-9). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659750.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659709.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659751.

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

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-660613/28
Matrix: Water
Analysis Batch: 660613

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: LCS 480-660613/4
Matrix: Water
Analysis Batch: 660613

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: 480-206416-9 MS
Matrix: Water
Analysis Batch: 660613

Client Sample ID: 401003-MW0413XX
Prep Type: Total/NA

Analyte		Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	J+ MSH	0.16	F1	0.200	0.398	F1	mg/L		119	90 - 110		

Lab Sample ID: 480-206416-9 DU
Matrix: Water
Analysis Batch: 660613

Client Sample ID: 401003-MW0413XX
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	0.16	F1		0.156		mg/L				3	20

Comments
No additional comments.

Receipt
The samples were received on 2/24/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3º C, 2.4º C and 3.0º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: Methyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 401003-MW05B54XX (480-206437-1), 401003-MW0513XX (480-206437-2), 401003-MW06B59XX (480-206437-3), 401003-MW2214XX (480-206437-4), 401003-MW0612XX (480-206437-5), 401003-TRIPBLANK (480-206437-7) and 401003-MW1707XX (480-206437-8).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-659879 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: 401003-MW0612XX (480-206437-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660001 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: 401003-MW2214XX (480-206437-4). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 401003-MW0612XX (480-206437-5). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-660151 recovered outside acceptance criteria, low biased, for 4-Nitrophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

HPLC/IC
Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: 401003-MW1707XX (480-206437-8). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659832.

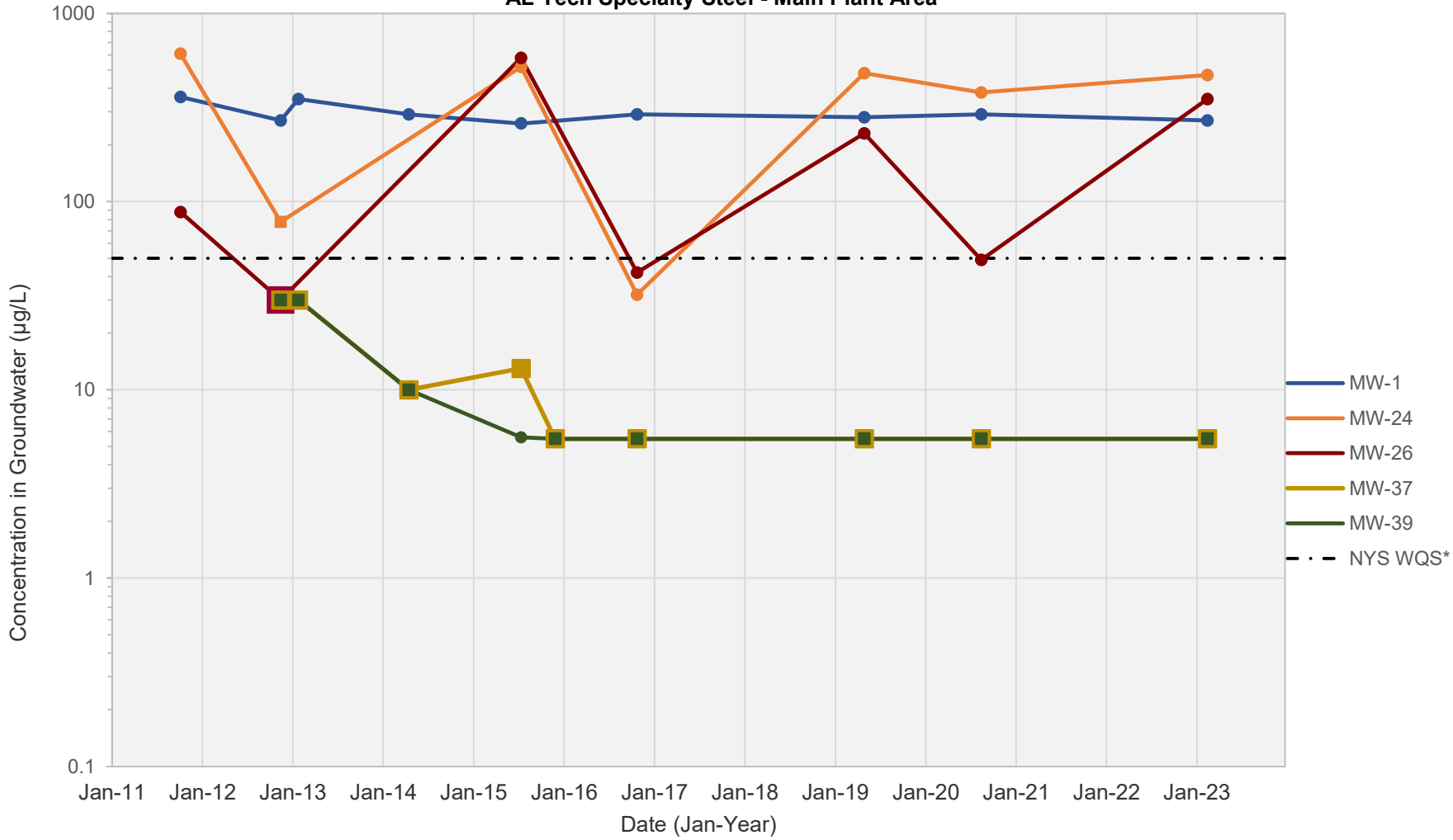
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659887.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-659959.

ATTACHMENT 3

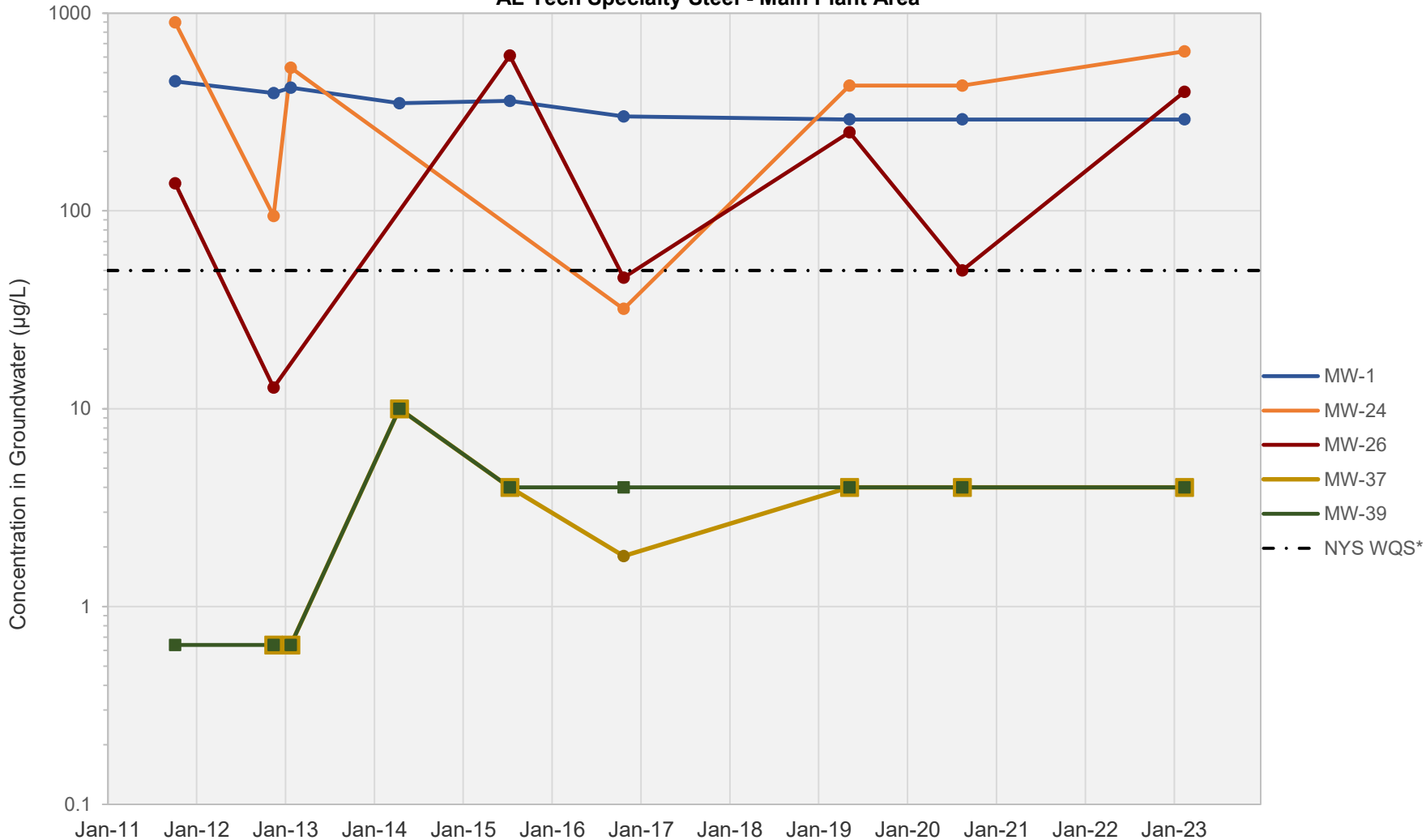
GROUNDWATER CONCENTRATION VS TIME PLOTS 2011-2023

Attachment 3
Concentration vs Time of Hexavalent Chromium in Groundwater
AL Tech Specialty Steel - Main Plant Area



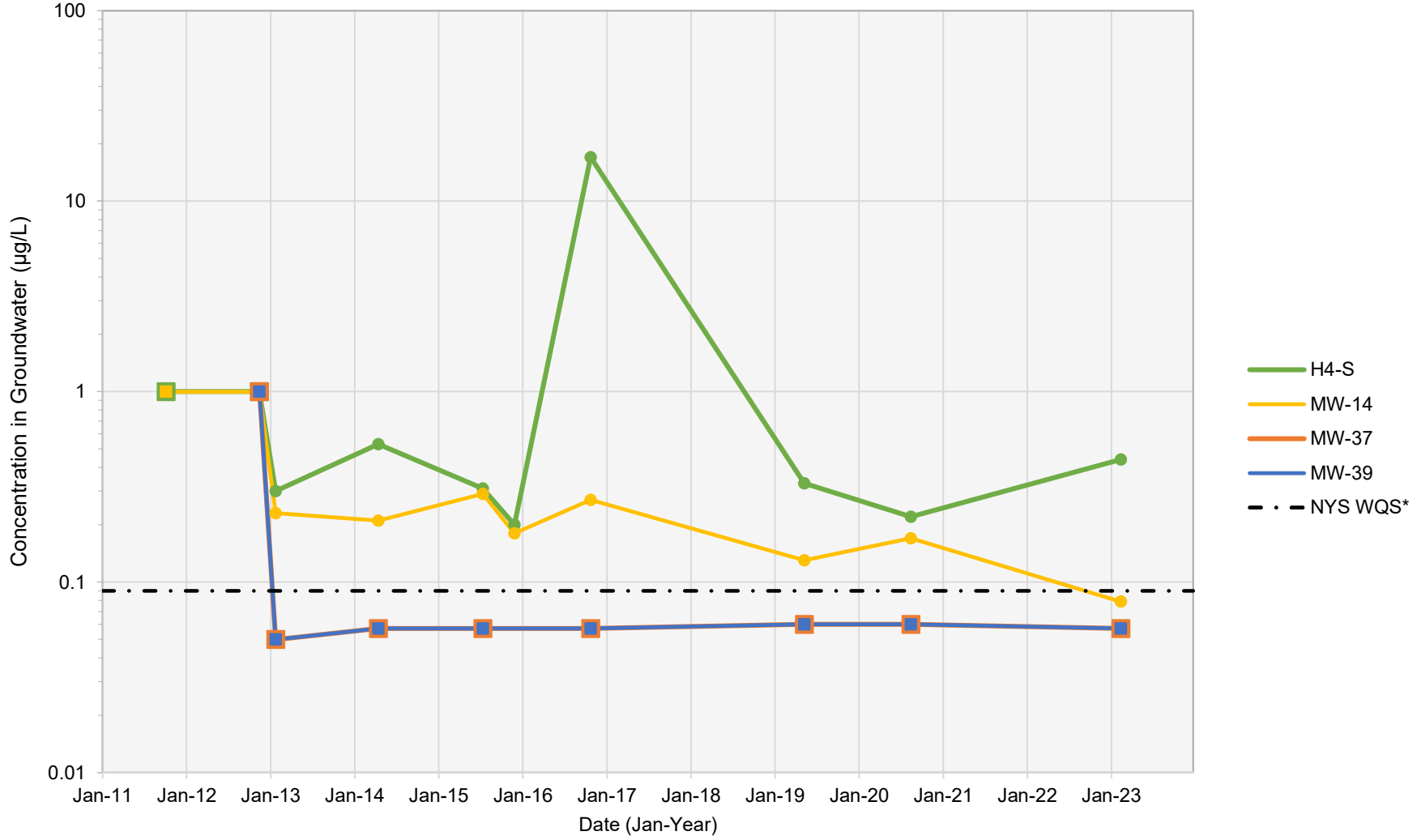
*Refers to NY State Class GA Water Quality Standard for Hexavalent Chromium of 50 µg/L. Circles - Detected, Squares - Not Detected

Attachment 3
Concentration vs Time of Total Chromium in Groundwater
AL Tech Specialty Steel - Main Plant Area



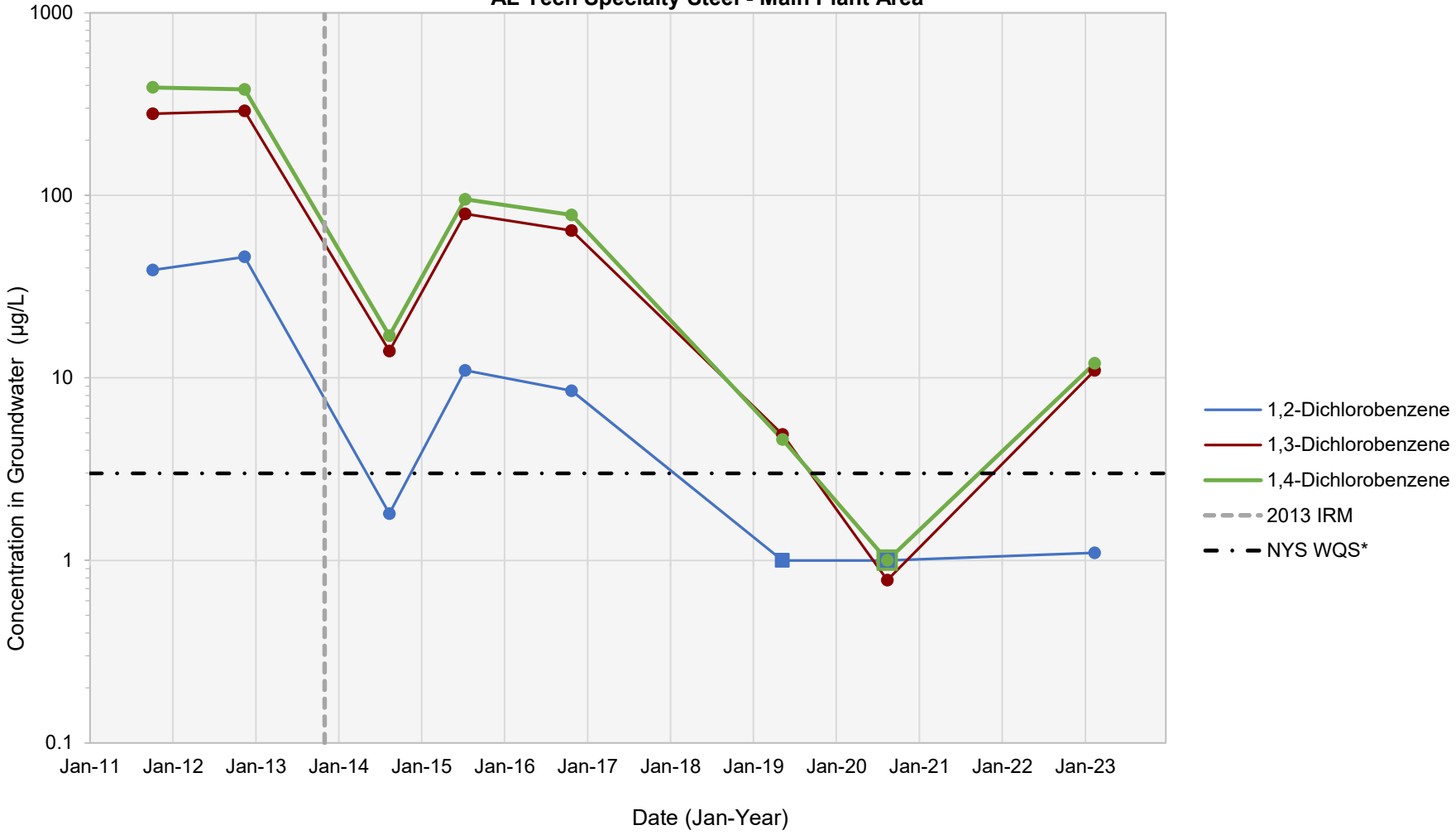
*Refers to NY State Class GA Water Quality Standard for Chromium of 50 µg/L. Circles - Detected, Squares - Not Detected

Attachment 3
Concentration vs Time of Total PCBs in Groundwater
AL Tech Specialty Steel - Main Plant Area



*Refers to NY State Class GA Water Quality Standard for Total PCBs of 0.09 µg/L. Circles - Detected, Squares - Not Detected

Attachment 3
Concentration vs Time of Dichlorobenzene in Groundwater
MW-27 (2011-2014) and MW-27R (2015-Present)
AL Tech Specialty Steel - Main Plant Area



*Refers to NY State Class GA Water Quality Standard of 3 µg/L for 1,2 Dichlorobenzene; 1,3 Dichlorobenzene; 1,4 Dichlorobenzene. Circles - Detected, Squares - Not Detected