2023 ANNUAL GROUNDWATER MONITORING REPORT

FOR

CC METALS AND ALLOYS, LLC
TOWN OF NIAGARA, NY
SITE #932001C

Submitted to:

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
270 MICHIGAN AVENUE
BUFFALO, NY 14203-2999

August 28, 2023

Prepared by:

LAN ASSOCIATES, INC.
• ENVIRONMENTAL CONSULTING
• ENGINEERING
• PLANNING & ZONING

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LAN Ref. #2.3643.17
August 28, 2023

2023 GROUNDWATER MONITORING REPORT

CC Metals and Alloys, LLC
Witmer Road Property
Town of Niagara, NY
NYDEC Site # 932001C

This report was prepared under the direction and review of the undersigned persons. It is hereby certified that in our professional judgment, the content of this report meets with industry standards, satisfies the requirements of the New York State Department of Environmental Conservation, and follows generally acceptable engineering principals.

Chris Callegari P.G.

Date: August 28, 2023

LAN ASSOCIATES, INC.
• ENVIRONMENTAL CONSULTING
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2023 GROUNDWATER MONITORING REPORT

CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
NYDEC Site # 932001C

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• ENVIRONMENTAL CONSULTING
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2023 GROUNDWATER MONITORING REPORT

CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
NYDEC Site # 932001C

1.0 INTRODUCTION

The following is the 2023 Groundwater Monitoring Report for CC Metals and Alloys, LLC (CCMA) landfill Cells 1 and 2 located on a 23-acre site adjacent to Witmer Road in Niagara, New York. LAN Associates, Inc. (LAN) has been retained by CCMA to conduct this post-closure activity for this site. Waste disposed in Cell 1 includes ferrosilicon and ferrochromium metal baghouse dust, and waste disposed in Cell 2 contains ferroalloy dust.

Cell 1 was constructed in 1980, per New York State Department of Environmental Conservation (NYSDEC) Part 360 Permit #2133. It was closed in 1990 following a NYSDEC-approved closure plan. Cell 2 was constructed in 1983, per NYSDEC Part 360 Permit #2585. Waste deposition into Cell 2 was stopped on September 30, 1991 in accordance with NYSDEC Order of Consent 87-152A. Cell 2 was closed in 1992.

The following report has been written as part of the requirements of the New York Codes, Rules and Regulation (NYCRR), Title 6 Department of Environmental Conservation (DEC), Chapter IV Quality Services, Subchapter B, Part 360 Solid Waste Management Facilities, Subpart 360-2 Landfills; Section 360-2.15(k) Post-closure operation and maintenance.

2.0 LANDFILL CAPACITY

As stated above, both Cells 1 and 2 are currently closed. Based on all known information, the amount of waste in place for each cell is as follows: Cell 1 holds approximately 90,000 yd^3 of material, and Cell 2 holds approximately 40,000 yd^3 of material. The density of the waste within both cells has been calculated to be approximately 0.97 tons/yd^3 or 87,300 tons for Cell 1, and 38,800 tons for Cell 2. A 2023 Site Plan depicting the elevations of the site and landfill cell locations is included as **Figure 1**.

Cell 1 was closed and covered with a minimum of 18 inches of low permeability compacted soil (maximum permeability of 1.0×10^{-7} cm/sec) and 6 inches of soil capable of supporting vegetative growth. It is reported that Cell 2 was similarly closed. Surface water runoff from the closed facilities does not come in contact with the waste materials previously deposited in Cells 1 and 2.

3.0 GROUNDWATER AND SURFACE WATER QUALITY

3.1 POST CLOSURE MONITORING PROGRAM

Provisions have been made for groundwater and surface water monitoring for Cells 1 and 2. Implementation of this program during the facility's post closure period provides the required data to evaluate the potential effects of Cells 1 and 2 on the site's groundwater and surface water. Five monitoring wells are utilized to monitor the quality of groundwater contained in the permeable sediments overlying the bedrock.

Based on groundwater elevation data measured during the July 19, 2023, groundwater sampling event, groundwater flows in a south to south-westerly direction across the site **(Figure 2).** This is consistent with recorded historic groundwater flow patterns. Surface water quality is monitored using samples obtained from the site's drainage retention swale (SW-1) and from the landfill leachate sump (LS-1).

Monitoring wells MW-3R, MW-5R, MW-12, MW-BR1, and MW-14N are depicted on the figures. Based on the site's groundwater flow direction (south-southwest), MW-3R is used to provide upgradient data, while MW-5R, MW-12, MW-BR1, and MW-14N provide data on groundwater quality downgradient of the site's disposal areas (Cells 1 and 2).

Surface water samples are taken (when possible) at the southwest corner of the site (sample location SW-1). This is where surface water collects and flows into the stormwater drainage pipe and then offsite to the City of Niagara Falls combined sewer system.

3.2 WATER QUALITY SAMPLING

During the annual groundwater and surface water monitoring event, upgradient monitoring well MW-3R was sampled and analyzed, along with four downgradient monitoring wells (MW-5R, BR-1, MW-12, MW-14N), and the landfill leachate sump. Surface water location SW-1 was not sampled during this monitoring period because it was completely dry during the sampling event.

Groundwater and landfill leachate samples were collected by Barton & Loguidice, D.P.C. The wells were purged using a peristaltic pump employing low flow purging methodology. The wells were purged until pH, conductivity and temperature stabilization was achieved. field sampling data sheets showing parameter stabilization are included in **Appendix A** following the laboratory analytical results.

Samples were analyzed for specific conductivity, temperature, pH, Eh, turbidity, COD, TOC, TDS, SO4, Cl, Br, Pb, Mn, K, Na, As, Ba, Cr, Cr+6, Hg, Se, B and Cl. Samples are also analyzed for Volatile Organic Compounds (VOCs) as specified in the New York State Regulation 6 NYCRR Part 360, §360-2.11(d) (6) Water Quality Analysis Tables, Baseline Parameters list.

The following laboratory analytical methods were utilized: VOCs analyzed via Method 8260C (VOCs by GC/MS); Metals analyzed via method 6010C (ICP); Mercury analyzed via Method 7470A (CVAA); General Chemistry Methods for bromide, chloride, sulfate via Method 300.0, Chemical Oxygen Demand (COD) via Method 410.4, Total Dissolved Solids (TDS) via Method SM 2540C, Hexavalent Chromium-Cr (VI) via Method SM 3500 CR B, and Total Organic Carbon (TOC) via Method SM 5310C. Field parameters such as water temperature, pH, conductivity, turbidity and ORP were field measured by the Barton & Loguidice, D.P.C field personnel during the well sampling. Refer to the laboratory analytical report in **Appendix A.**

3.3 SUMMARY OF SAMPLING RESULTS

Overall, there have been no significant changes in water quality during the past year except for a couple changes. A summary of groundwater quality data for the past ten (10) years is provided as **Table 1 – Analytical Water Quality Summary.** Throughout time, constituents of concern (COC) detected in the groundwater above standards have commonly included: sodium and TDS in all wells, cis-1, 2-Dichlorothene in well 14N and vinyl chloride in well 12.

The data collected in July of 2023 has been added to historical trend graphs for the parameters of concern (sodium, TDS, cis-1, and 2-Dichlorothene) and are included as Appendix B – Water Quality Data Trend Graphs.

Sodium continues to be detected above the defined water quality standard in all of the groundwater samples. Sodium continues to have an upward trend in all wells, indicating a potential regional change in groundwater quality. TDS concentrations were reported above the defined standard in all groundwater and leachate samples. The increase in TDS observed during 2023 will be discussed with the laboratory to ensure it wasn't an equipment or laboratory error and TDS will be closely monitored into the future. Turbidity has not previously been an issue, but in the last four years, (2020 – 2023), it has exceeded 5.0 NTUs in monitoring well MW-12 and will continue to be closely monitored. Efforts will be made to reduce turbidity in all future sampling events.

The cis-1, 2-Dichloethene concentration in MW-14N remained above the standard but was detected at the same level as in 2022. The vinyl chloride concentration in MW-12 and BR-1 remained above the standard but was detected at or below the levels in 2022. The results of the water quality sampling indicate that the groundwater is generally trending as it has historically, except for an increase in TDS which will be closely monitored.

The leachate water quality was within historical trends, except for the field pH. The pH tested in the field was 9.13, which is well above the historical range. This pH anomaly is potentially due to equipment or human error. The pH of the leachate will be closely monitored in the future.

4.0 WATER TABLE ELEVATION DATA

Prior to sampling the groundwater, the depth of the water was measured in each well. This was completed using a water table interface probe to measure the distance in 0.010 inches from the surveyed top of casing to the top of the groundwater. The data is presented in tabular form below and is depicted on the groundwater flow map included as **Figure 2**. This data indicates that the groundwater flows to the south-southwest across the site, which is consistent with previous years.

Exhibit 4-1

2023 Witmer Road Groundwater Elevation Table			
Well Name	**TOC Elevation**	**Depth to Water**	**Groundwater Elevation**
MW-3R	611.87	4.98	606.89
MW-14N	605.52	9.35	596.17
MW-5R	601.00	7.52	593.48
MW-BR1	603.79	11.95	591.84
MW-12	597.71	9.28	588.43

Note: Water levels were recorded on July 19, 2023.
All measurements are in feet.

5.0 CONCLUSION

This report was prepared by LAN in order to satisfy the requirements of 6 NYCRR Part 360, Subpart 360-2; Section 360-2.15(k) landfill post-closure operation and maintenance. The landfill located in the Town of Niagara consists of two inactive cells containing ferrosilicon, ferrochromium, and ferroalloy dust. Cell 1 was closed in 1990 and Cell 2 was closed in 1992.

Annual water quality sampling was conducted in July 2023 as part of the post-closure operations and maintenance. The results of this annual sampling event indicate that sodium

and TDS continue to trend upwards, but may be resultant of a larger regional trend. The concentration of cis-1, 2-Dichloethene in MW-14N is still above the standard, however, the value was the same as in 2022 and the trend is still downward, as indicated in **Appendix B**. Vinyl chloride was detected above the standard, but at or below the concentration detected in 2022, in MW-12 and BR-1.

After careful review of the generally steady water quality on-site, CC Metals and Alloys would like to formally request a reduction in the annual water quality monitoring (groundwater, surface water, and leachate) from every year to every two years. The site will continue to have yearly maintenance mowing, inspections and annual reports regarding the functionality and condition of the site's engineering controls.

An Annual Report detailing the site conditions this year, including this data and required maintenance work completed will be submitted to NYDEC prior to December 2023.

FIGURE 1

SITE PLAN

LEGEND:

- Monitoring Well
- Surface Water Sample
- Sump Sample

CELL 1

CELL 2

PROPERTY SUBDIVISION LINE

ROAD

WITMER

TIE–IN MANHOLE

EXISTING STORM SEWER

MUNICIPAL STORM SEWER

MW–3R

MW–BR1

LS–1

MW–5R

MW–14N

MW–12

SW–1

GRAPHIC SCALE

(IN FEET)

1 inch = 150 ft.

Date: 07/26/2023
Rev:
Checked: CLC
Drawn: AM
Scale 1"-150'

2023 Site Plan

Calvert City Metals and Alloys, LLC (Witmer Road Landfill)
4201 Witmer Road Niagara Falls, NY 14305

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FIGURE: 1

JOB NO. 2.3643.17.02

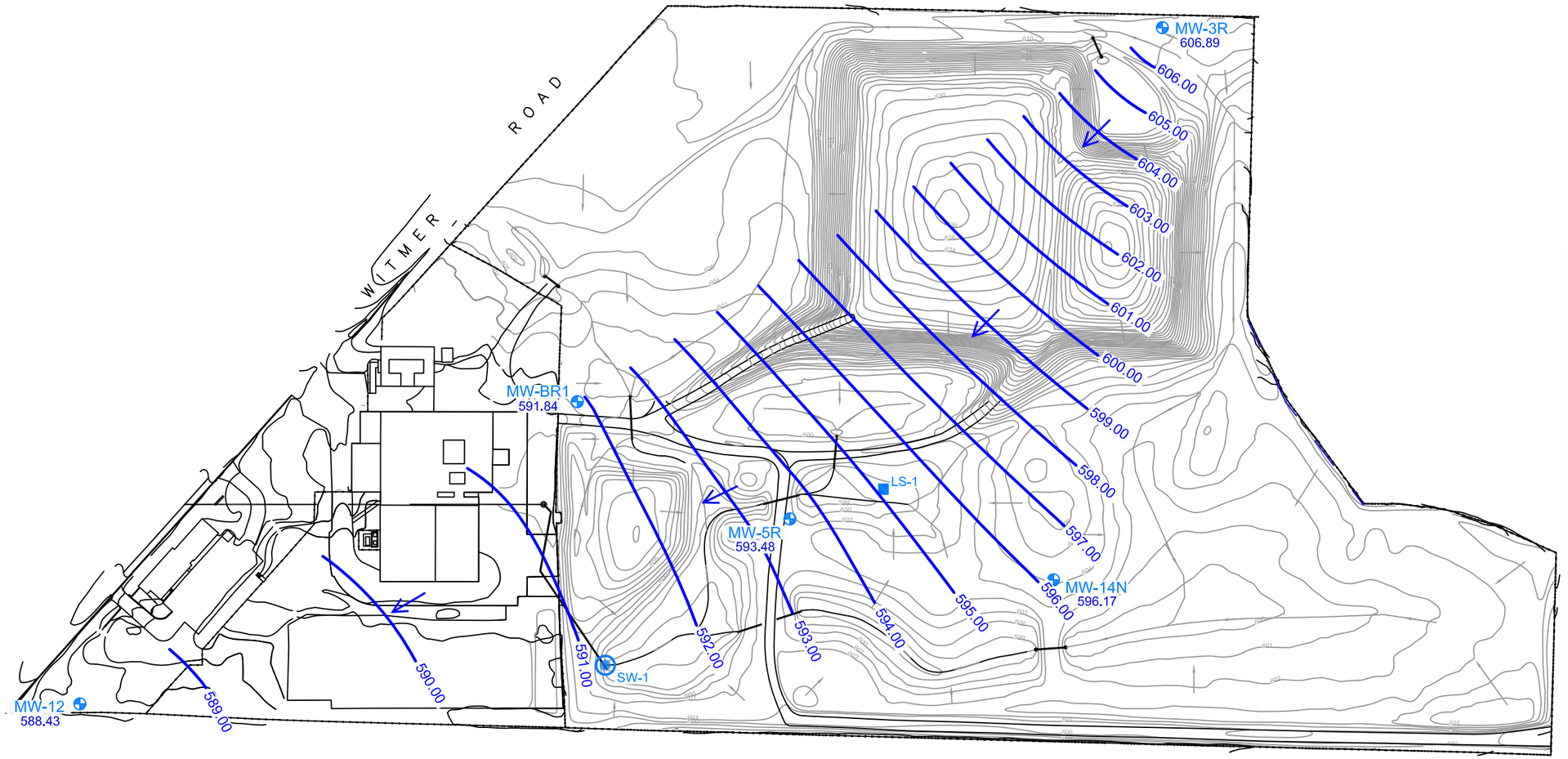
FIGURE 2

GROUNDWATER CONTOUR MAP
(7/19/2023)

LEGEND:

- MW-00 — MONITORING WELL
- SURFACE WATER SAMPLE
- SUMP SAMPLE
- SURFACE WATER FLOW DIRECTION
- GROUNDWATER FLOW DIRECTION
- 594.28 — GROUNDWATER ELEVATION
- (595.00) — GROUNDWATER CONTOUR INTERVAL
- GROUNDWATER CONTOUR

Groundwater measured on 7/19/2023



SCALE
0 90 180
(IN FEET)

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GROUNDWATER FLOW DIRECTION

CC METALS AND ALLOYS, LLC
WITMER ROAD LANDFILL
NIAGARA, NEW YORK

Figure: 2

Job No.: 3643-17-03

CREATION DATE: 07/25/23

TABLE 1

Analytical Water Quality Summary

LAN Associates, Inc.
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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 14N																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52	
WATER LEVEL	-	Feet	10.22		7.12		8.13		6.83		6.81		7.11		6.47		6.89		6.19		6.90		7.86		10.06		9.35	
WATER ELEVATION (Before Purge)	-	Feet	595.30		598.40		597.39		598.69		598.71		598.41		599.05		598.63		599.33		598.62		597.66		595.46		596.17	
WELL BOTTOM	-	Feet	26.35		26.35		26.35		26.35		26.35		26.50		26.5		26.5		26.5		26.5		26.5		20.43		20.43	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.12		0.11		0.12		0.11		0.11		0.12		0.12		0.14		0.14		0.13	*	0.12		0.043		0.12	
BORON, (TOTAL)	*1*	mg/l	0.12		0.11		0.13		0.12		0.11		0.11		0.11		0.12		0.10		0.11		0.11		0.14		0.11	
BROMIDE	-	mg/l	0.99		0.20	U	0.20	U	0.20	U	2.00	U	0.32		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	12.0		10.4		10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	19.7		25.2		10.0	U	10.0	U
CHLORIDE	-	mg/l	119		117		109		92		110.0		132.0		151.0		175.0		150.0		150		135		122		121	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.00040	U	0.00040	U	0.00400	U	0.00400	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	26		175		168		74		132		67		242		36		40		33		9		42		-16	
HEXAVALENT CHROMIUM	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.013		0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.11		0.08		0.120		0.07		0.130		0.090		0.077		0.13		0.13		0.17		0.15		0.21		0.16	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	7.17		6.99		7.01		6.87		7.01		6.98		7.06		7.26		7.26		7.18		7.04		7.01		7.53	
POTASSIUM	-	mg/l	2.5		2.5		3.0		2.4		2.4		2.6		2.6		3.0		3.5		2.5		2.7		3.8		2.6	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**67.6**		**63.8**		**73.9**		**57.8**		**58.2**		**68.8**		**75.6**		**103**		**113**		**89.6**		**85.6**		**79.9**		**83.0**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1215		1139		1181		1163		1201		1368		1427		1589		1486		1531		1503		1519		1488	
SULFATE	*250*	mg/l	169		175		171		168		162		160		141		237		250		244		230		102		214	
TEMPERATURE	-	°F	13.20		52.16		54.68		58.28		47.48		50.18		52.16		53.24		52.34		52.3		53.4		59.3		57.2	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**877**		**857**		**829**		**837**		**809**		**844**		**885**		**956**		**948**		**1130**		**1020**		**664**		**1110**	
TOTAL ORGANIC CARBON	-	mg/l	1.8		2.6		2.3		3.1		2.5		2.0		2.5		2.4		3.1		3.2		3.4		2.7		3.2	
TURBIDITY	*not exceed 5*	N.T.U	2.89		1.93		5.11		2.51		1.93		2.48		1.83		2.3		3.4		**15.1**		0.76		1.34		6.40	

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Table 1
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Well 14N																												
1,1,1,2-Tetrachloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
1,1-Dichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromomethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10.0	U	10	U	10	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10.0	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U	10.0	U*1	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15.0	U	15	U	15	U	10	U	20	U	15	U	15	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
cis-1,2-Dichloroethene	*5*	ug/l	-		**28**		**29**		**28**		**28**		**21**		**24**		**25**		**20**		**22**		**16.0**		**21**		**21**	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Trichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5	U	5	U	5	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.6		**2.4**		1.0	U	1.4		1.1		1.8		**2.3**		1.3		**2.5**		**2.3**		**3.7**		**3.6**	

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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 3R																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8 ,9,17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87	
WATER LEVEL	-	Feet	7.32		2.09		3.55		1.65		1.93		2.12		1.58		2.06		1.63		2.25		3.38		6.37		4.98	
WATER ELEVATION (BEFORE PURGE)	-	Feet	604.55		609.78		608.32		610.22		609.94		609.75		610.29		609.81		610.24		609.26		608.49		605.5		606.89	
WELL BOTTOM	-	Feet	12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		11.94		11.94	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.0150	U	0.015	U
BARIUM	*1*	mg/l	0.035		0.028		0.034		0.028		0.025		0.027		0.028		0.032		0.027		0.034	^	0.029		0.0470		0.037	
BORON, (TOTAL)	*1*	mg/l	0.21		0.16		0.20		0.16		0.14		0.15		0.14		0.14		0.12		0.12		0.14		0.14		0.14	
BROMIDE	-	mg/l	0.24		0.20	U	0.20	U	0.20	U	2.00	U	0.20	U	0.20	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	10.0	U	10.0	U	10.0	U	16.3		12.5		10.0	U	10.0	U	10	U	10	U	10.0	U	19.7		10.0	U	10.0	U
CHLORIDE	-	mg/l	35.9		35.9		37.9		35.9		37.1		47.8		50.6		108		86		101		126		75.8		72.7	
CHROMIUM	*0.05*	mg/l	0.0078		0.0052		0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0091		0.0055		0.01		0.0065		0.24		0.0040		0.0040	U
Eh	-	M.Volts	156		112		148		168		131		158		260		92.0		112.0		111		142		49.0		27	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.024		**0.22**		0.010		0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.0030	U	0.0030	U	0.0190		0.003	U	0.0047	U	0.0035	U	0.003	U	0.0030	U	0.0100	U	0.0034		0.003	U	0.120		0.089	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.02000	U	0.0002	U	0.0002	U	0.0002	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	6.87		6.99		6.89		6.96		6.85		6.51		7.39		7.70		7.25		7.38		7.56		7.70		**8.9**	
POTASSIUM	-	mg/l	0.50	U	0.50	U	0.55		0.50	U	0.50	U	0.50	U	0.50	U	0.58		1		0.5	U	**1.1**		**0.77**		0.83	
SELENIUM	*0.01*	mg/l	0.0039		0.0023		0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**30.5**		**23.8**		**29.0**		**24.1**		**22.2**		**23.8**		**25.4**		**37.3**		**42.1**		**54.2**		**40.6**		**46.6**		**47.1**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1095		999		1069		1055		1177		1131		1125		1322		1195		1324		997		1310		1300	
SULFATE	*250*	mg/l	143		155		154		147		147		148		141		190		180		207		**318**		175.0		162	
TEMPERATURE	-	oF	56.84		49.46		56.32		57.02		42.98		48.38		53.6		52		50.36		51.2		49.4		64.0		59.5	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**802**		**702**		**735**		**731**		**749**		**669**		**669**		**838**		**761**		**917**		**606**		**803.0**		**896**	
TOTAL ORGANIC CARBON	-	mg/l	2.0		2.9		2.8		5.0		2.6		1.9		2.1		1.9		2.4		3.0		3.4		2.8		2.9	
TURBIDITY	not exceed 5	N.T.U	2.40		1.87		3.56		0.92		1.07		1.82		1.55		1.5		2.3		1.04		0.95		1.01		2.34	

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Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 3R																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5.0	U	5.0	U	10.0	U*	10.0	U*+	10.0	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5.0	U	5.0	U	10	U	10	U	10.0	U*+	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	10	U	15	U	15	U	15.0	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

LAN Associates, Inc.
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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 5R																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601		601.67		601.67	
WATER LEVEL	-	Feet	8.44		5.07		6.35		5.51		5.44		6.74		5.25		5.51		4.98		5.46		6.32		8.26		7.52	
WATER ELEVATION (BEFORE PURGE)	-	Feet	596.25		596.25		596.25		596.25		596.23		594.93		596.42		596.16		596.69		596.21		594.68		593.41		594.15	
WELL BOTTOM	-	Feet	19.75		19.75		19.75		19.75		19.74		19.74		19.74		19.74		19.74		19.74		19.74		19.85		19.85	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.07		0.064		0.063		0.053		0.043		0.056		0.049		0.055		0.054		0.067	*	0.094		0.076		0.083	
BORON, (TOTAL)	*1*	mg/l	0.19		0.18		0.20		0.18		0.18		0.17		0.17		0.19		0.17		0.17		0.19		0.16		0.19	
BROMIDE	-	mg/l	3.00		0.7		1.30		1.0		0.84		0.98		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	
CHEMICAL OXYGEN DEMAND	-	mg/l	29.3		15.8		25.7		27.1		12.8		10.0		10.0	U	19.3		14.9		14.8		33.4		24.8		17.4	
CHLORIDE	-	mg/l	96.0		94.9		94.7		80.6		92.8		85.6		82.7		84.7		82		84.0		94.6		81.9		89.4	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	97		120		144		135		110		115		218		80		169		96.0		7.0		92		67	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.016		0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.02		0.010		0.370		0.01		0.0160		0.0190		0.0039		0.018		0.03		0.091		**0.3**		0.17		0.12	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	7.99		7.86		7.70		7.85		7.87		7.78		7.92		8.22		8.22		7.91		8.05		7.98		**9.10**	
POTASSIUM	-	mg/l	30.1		25.8		24.3		20.8		18.5		20.1		18.8		20.3		21.5		21.7		22.6		20.8		22.2	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250		0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**75.3**		**75.1**		**88.5**		**68.5**		**67.7**		**70.3**		**68.3**		**77.1**		**81.4**		**70.0**		**78.1**		**71.3**		**71.9**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	847		818		857		825		851		886		861		920		882		905.8		1025		914		957	
SULFATE	*250*	mg/l	183		178		183		157		157		164		167		182		180		159		166		150		155	
TEMPERATURE	-	°F	56.12		50.36		53.96		56.12		44.96		48.20		51.26		50.2		51.26		49.8		54.1		64.1		56.6	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**629**		**552**		**587**		**545**		490		**531**		**531**		**554**		**544**		487		**633**		309		**664**	
TOTAL ORGANIC CARBON	-	mg/l	5.3		5.1		6.4		5.8		5.4		4.5		4.6		4.9		5.7		6.2		5.9		6.5		6.7	
TURBIDITY	*not exceed 5*	N.T.U	1.79		2.71		2.91		2.68		1.07		1.29		0.93		1.5		2.2		3.44		0.41		1.07		4.20	

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Well 5R																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	5.0	U*1	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U	10.0	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	20	U	15.0	U	15.0	U	15.0	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	

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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 12																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71	
WATER LEVEL	-	Feet	10.05		8.02		9		8.29		7.95		8.35		8.18		8.22		7.71		8.26		9.05		9.86		9.28	
WATER ELEVATION (BEFORE PURGE)	-	Feet	587.66		589.69		588.71		589.42		589.76		589.36		589.53		589.49		590.00		589.45		588.66		587.85		588.43	
WELL BOTTOM	-	Feet	19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		20.12		20.12	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.039		0.038		0.038		0.040		0.036		0.042		0.045		0.046		0.04		0.042	^	0.051		0.043		0.048	
BORON, (TOTAL)	*1*	mg/l	0.20		0.19		0.19		0.17		0.17		0.18		0.13		0.18		0.15		0.16		0.017		0.14		0.16	
BROMIDE	-	mg/l	0.59		0.20		0.20	U	0.20	U	2.00	U	0.20	U	0.20	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	18.7		12.0		15.9		20.1		10.0		10.0		10.0	U	10.0	U	10.0	U	10	U	14.1		10	U	10.0	U F1
CHLORIDE	-	mg/l	100		137		107		108		108		144		110		169		160		140		144		122		126	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.021		0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	-67		181		142		186		136		149		168		92		113		98		37		8		77	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.02		0.010	U	0.010	U	0.020		0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.04		0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.300		0.01		0.097		0.009		0.0160		0.0160		0.03		0.071		0.046		0.20		0.24		0.21		0.22	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020		0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.0002	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	6.74		7.22		7.00		7.19		7.20		7.39		7.57		7.71		7.3		7.46		7.18		7.51		8.08	
POTASSIUM	-	mg/l	4.7		4.7		5.3		4.0		4.2		4.6		2.6		4.6		5.1		4.0		4.6		3.8		4.1	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**70.9**		**75.5**		**77.5**		**61.6**		**58.3**		**77.7**		**75.6**		**94.0**		**88.9**		**77.9**		**83.8**		**79.9**		**82.6**	
SPECIFIC CONDUCTANCE	-	mg/l	1116		1144		1080		1204		1162		1294		1051		1218		1332		1294		1364		1275		1307	
SULFATE	*250*	mg/l	117		147		117		142		127		135		176		160		150		128		128		102		109	
TEMPERATURE	-	F	57.02		50.00		52.5		60.4		46.9		49.5		53.06		51.26		52.16		51.4		52.7		62.5		56.3	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**805**		**829**		**727**		**854**		**755**		**774**		**723**		**818**		**886**		**1000**		**785**		**664**		**869**	
TOTAL ORGANIC CARBON	-	mg/l	2.0		2.6		2.6		3.6		2.7		2.1		3.6		2.4		2.8		2.6		3.2		2.7		3.0	
TURBIDITY	*not exceed 5*	N.T.U	1.85		2.87		4.02		2.71		1.67		1.78		2.35		1.8		2.1		**5.57**		**12.6**		**7.28**		**10.40**	

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Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Well 12																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U	10.0	U*1	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10.0	U	20.0	U	15.0	U	15.0	U	15.0	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		2.1		**5.5**		2.9		3.3		2.0		1.0	U	3.1		1.3		1.5		**5.1**		3.3		3.1	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	**7.4**	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.8**		1		1.0	U	**25.0**		**18.0**		**18**	

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Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Sump (Leachate)																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08	
WATER LEVEL	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WATER ELEVATION (BEFORE PURGE)	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
ARSENIC	*0.025*	mg/l	0.010	U	0.012		0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.076		0.061		0.042		0.033		0.032		0.057		0.063		0.052		0.090		0.094	^	0.092		0.053		0.069	
BORON, (TOTAL)	*1*	mg/l	0.38		0.35		0.26		0.02		0.21		0.32		0.28		0.31		0.40		0.44		0.41		0.27		0.44	
BROMIDE	-	mg/l	2.7		1.7		1.7		2.7		1.2		2.3		2.6		2.0		2.7		1.5		2.8		2		2.0	
CHEMICAL OXYGEN DEMAND	-	mg/l	34.0		27.5		20.3		30.2		13.1		11.6	F1	10	U	20		24.3		16.6		10	F1	21.7		29.3	
CHLORIDE	-	mg/l	133		150		81.6		103.0		91.5		70.6		160		119		180		143		174		135		122	
CHROMIUM	*0.05*	mg/l	**0.110**		0.03		0.037		0.004	U	0.019		0.037		0.012		0.011		0.029		**0.41**		**0.18**		**0.056**		0.041	
eH	-	M.Volts	108		135		83		128		112		105		164		75		55		71		185		144		126	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	**0.081**		0.022		0.034		0.010	U	0.021		0.021		0.018		0.010	U	0.010	U	0.046		**0.059**		0.031		0.031	
LEAD	*0.025*	mg/l	0.0052		0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.017		0.012		0.01	U	0.010	U
MANGANESE	*0.30*	mg/l	0.0420		0.007		0.0078		0.0520		0.016		0.016		0.035		0.041		0.18		0.27		**0.44**		0.067		0.0030	U
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.0002	U	0.0002	U	0.00020	U	0.00020	U	0.0002	U	0.00020	U
pH	*between 6.5 to 8.5*	S.U	7.90		8.01		7.90		8.08		7.92		7.59		7.56		8.47		8.09		8.07		7.97		7.99		**9.13**	
POTASSIUM	-	mg/l	82.1		86.5		68.7		42.8		41.4		74.2		113		83.1		143		112		120		70.1		91.7	
SELENIUM	*0.01*	mg/l	**0.030**		**0.012**		0.003		0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.026		0.025		0.025	U
SODIUM	*20*	mg/l	**66.5**		**72.8**		**47.2**		**45.1**		**40.6**		**74.0**		**73.7**		**68.3**		**112**		**85.3**		**96.6**		**52.5**		74.1	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1107		1160		714		745		791		1202		1255		1083		1510		1476		1715		1330		1297	
SULFATE	*250*	mg/l	154		154		72		92.9		85.7		68.2		203		129		210		172		232		163		165	
TEMPERATURE	-	°F	60.26		45.68		53.60		53.1		43.88		45.50		50.54		56.12		52.7		50.6		55.9		67.6		62.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**834**		**778**		443		480		456		**681**		**781**		**648**		**1030**		**797**		**1050**		**601**		**869**	
TOTAL ORGANIC CARBON	-	mg/l	9.0		7.0		5.2		6.5		5.8		6.8		7.0		6.1		9.6		9.7		11.4		9.2		9.0	
TURBIDITY	*not exceed 5*	N.T.U	2.50		2.27		1.76		1.72		0.92		1.48		1.03		1.8		2.2		**10.26**		**7.64**		1.37		2.76	

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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
Sump (Leachate)																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	20	U	20	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	20	U	20	U	5.0	U	10.0	U	10.0	U	10.0	U	10	U*1	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	30	U	30	U	10.0	U	20.0	U	15.0	U	15.0	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	4.0	U	4.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	5.0	U	1.0	U	2.0	U	2.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1	U	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U

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Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
BR-1																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023	
TOP OF CASING ELEVATION	-	Feet	603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		605.52	
WATER LEVEL	-	Feet	13.19		10.59		11.52		10.44		10.52		10.63		10.34		10.43		9.90		10.51		11.28		12.65		11.95	
WATER ELEVATION (BEFORE PURGE)	-	Feet	590.60		593.20		592.27		593.35		593.27		593.16		593.45		593.36		593.89		593.28		592.51		591.14		593.57	
WELL BOTTOM	-	Feet	35.85		35.85		35.85		35.85		39.92		39.92		39.92		39.92		39.92		35.95		35.95		35.95		35.95	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.0150	U	0.015	U
BARIUM	*1*	mg/l	0.14		0.16		0.13		0.13		0.088		0.10		0.11		0.11		0.16		0.14	^	0.12		0.10		0.11	
BORON, (TOTAL)	*1*	mg/l	0.13		0.15		0.13		0.15		0.12		0.13		0.12		0.14		0.12		0.12		0.12		0.10		0.11	
BROMIDE	-	mg/l	0.41		0.26		0.20	U	0.64		0.40		0.20	U	0.21		0.20	U	0.50	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	14.9		10.0	U	15.9		24.5		10.0		10.0	U / F1	10	U	100	U	11.4		14.6		24.7		12.70		10.0	U
CHLORIDE	-	mg/l	44.4		59.9		38.7		54.4		44.6		51.2		55.8		11.7		69		100		130		154.0		162	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
eH	-	M.Volts	-125		151		117		48		114		32.000	U	159		13		49		44		144		40		-126	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.025		0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.01	U	0.01	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	**0.55**		**0.55**		**0.45**		**0.50**		0.20		0.21		0.28		**0.31**		**0.61**		**0.50**		0.28		0.21		0.20	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U
pH	*between 6.5 to 8.5*	S.U	7.95		7.56		7.80		7.57		7.69		7.59		7.77		7.81		7.81		7.62		7.26		7.21		7.52	
POTASSIUM	-	mg/l	8.3		10.2		11.3		9.2		8.7		9.4	^	9.0		8.7		10.9		7.9		6.1		5.0		5.1	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**38.1**		**39.9**		**37.3**		**37.0**		**30.9**		**36.2**		**38.3**		**41.7**		**52.1**		**49.6**		**77.2**		**90.1**		**99.2**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	495		563		419		549		450		488		482		565		431		701.4		1082		1224		1281	
SULFATE	*250*	mg/l	57.6		77.6		59.2		74.3		51.5		53.8		60.9		13.8		75		93.5		95.4		89.9		90.9	
TEMPERATURE	-	°F	57.38		51.98		53.60		56.12		49.1		50.2		52.88		51		52.34		50.5		53.2		56.8		56.1	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	329		364		288		385		267		271		309		325		372		318		405		414		**777**	
TOTAL ORGANIC CARBON	-	mg/l	2.9		2.5		4.1		3.9		3.3		2.7		2.9		2.8		3.6		3.5		0.2		3.2		3.3	
TURBIDITY	*not exceed 5*	N.T.U	1.90		2.90		3.10		2.48		1.10		1.26		1.95		1.67		2		2.32		0.17		1.15		2.17	

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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
BR-1																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U	10.0	U*1	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	20	U	15.0	U	15.0	U	15.0	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	B	1.2	B	5	B	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.3**		**4.5**		**3.4**	

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Table 1
Water Quality Analytical Summary
CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
SW-1																												
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		SW-1 was DRY and not sampled		5/8, 9, 17/2019		5/19/2020		4/9/2021		SW-1 was not sampled		SW-1 was not sampled	
TOP OF CASING ELEVATION	-	Feet	596.72		596.72		596.72		596.72		NS		NS		596.72						596.72		596.72					
WATER LEVEL	-	Feet	NA		NA		NA		NA		NS		NS		NA				NA		NA		NA					
WATER ELEVATION (BEFORE PURGE)	-	Feet	NA		NA		NA		NA		NS		NS		NA		NS		NA		NA		NA		NS		NS	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NS		NS		NA		NS		NA		NA		NA		NS		NS	
ARSENIC	0.15[2]	mg/l	-		0.01	U	0.010	U	0.015	U	NS		NS		0.015	U	NS		0.02	U	0.015	U	0.015	U	NS		NS	
BARIUM	*1*	mg/l	-		0.033		0.016		0.021		NS		NS		0.036		NS		0.064		0.030	^	0.079		NS		NS	
BORON, (TOTAL)	10[2]	mg/l	-		0.13		0.088		0.17		NS		NS		0.2		NS		0.15		0.089		0.12		NS		NS	
BROMIDE	-	mg/l	-		0.2	U	0.20	U	0.20	U	NS		NS		0.20	U	NS		0.5	U	0.20	U	0.20	U	NS		NS	
CHEMICAL OXYGEN DEMAND	-	mg/l	-		44.5		45.2		58.9		NS		NS		27.1		NS		54.9		55.5		82.7		NS		NS	
CHLORIDE	-	mg/l	-		23.2		10.7		18.2		NS		NS		17.2		NS		16		35.8		26.3		NS		NS	
CHROMIUM	*0.05*	mg/l	-		0.0074		0.004	U	0.0040	U	NS		NS		0.032		NS		0.036		0.013		0.021		NS		NS	
Eh	-	M.Volts	-		109		91		124		NS		NS		187		NS		116		69		185		NS		NS	
HEXAVALENT CHROMIUM TOTAL	0.011[2]	mg/l	-		0.01	U	0.010	U	0.010	U	NS		NS		0.026		NS		0.035	H	**0.034**	F1	0.010	U	NS		NS	
LEAD	*0.025*	mg/l	-		0.005	U	0.0050	U	0.0100	U	NS		NS		0.0100	U	NS		0.01	U	0.010	U	0.010	U	NS		NS	
MANGANESE	*0.3*	mg/l	-		0.026		0.0038		0.016		NS		NS		0.023		NS		**0.87**		0.30		**1.00**		NS		NS	
MERCURY	*0.0007*	mg/l	-		0.0002	U	0.00020	U	0.00020	U	NS		NS		0.00020	U	NS		0.0002	U	0.00020	U	0.00020		NS		NS	
PH	*between 6.5 to 8.5*	S.U	-		8.05		7.9		**8.51**		NS		NS		7.69		NS		**8.38**		**9.29**		7.70		NS		NS	
POTASSIUM	-	mg/l	-		11.7		6.3		10.8		NS		NS		11.7		NS		9.6		13.8		10.5		NS		NS	
SELENIUM	0.0046[2]	mg/l	-		0.001	U	0.0010	U	0.0250	U	NS		NS		0.0250	U	NS		0.02	U	0.025	U	0.025	U	NS		NS	
SODIUM	*20*	mg/l	-		17.5		13.3		19.1		NS		NS		16.5		NS		23.6		**46.9**		**43.1**		NS		NS	
SPECIFIC CONDUCTANCE	-	Umhos/cm	-		535		435		480		NS		NS		713		NS		698		456		844		NS		NS	
SULFATE	*250*	mg/l	-		37.2		53.9		15.1		NS		NS		59.6		NS		26		18.1		51.6		NS		NS	
TEMPERATURE	-	°F	-		60.98		51.98		65.48		NS		NS		65.96		NS		75.02		56.1		59.3		NS		NS	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	-		366		281		311		NS		NS		390		NS		384		304		**567**		NS		NS	
TOTAL ORGANIC CARBON	-	mg/l	-		13.9		13.7		18.4		NS		NS		13		NS		15.8		19.6		26.1		NS		NS	
TURBIDITY	*not exceed 5*	N.T.U	-		6.59		3.12		4.69		NS		NS		3.01		NS		3.9		**19.0**		**9.04**		NS		NS	

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Table 1
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Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.
SW-1																												
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		2.0	U	NS		2.0	U	2.0	U	2.0	U	NS		NS	
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
2-Butanone	-	ug/l	-		10	U	10	U	10	U	NS		NS		10	U	NS		10.0	U	10.0	U	20.0	U*+	NS		NS	
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		10.0	U	NS		10.0	U	5.0	U	10.0	U	NS		NS	
4-Methyl-2-pentanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		10.0	U	NS		10.0	U	5.0	U	10.0	U	NS		NS	
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	NS		NS		10.0	U	NS		10.0	U	10.0	U	20.0	U	NS		NS	
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	NS		NS		20.0	U	NS		20.0	U	15.0	U	30.0	U	NS		NS	
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U*+	NS		NS	
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	NS		NS		2.0	U	NS		2.0	U	2.0	U	2.0	U	NS		NS	
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		5.0	U	NS		5.0	U	1.0	U	2.0	U	NS		NS	
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	NS		NS		2.5	U	NS		2.5	U	1.0	U	2.0	U	NS		NS	
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		2.0	U	NS		2.0	U	5.0	U	10.0	U	NS		NS	
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS	

[1] Class GA fresh groundwaters; Water Quality Standards Surface Waters and Groundwater, NYSDEC Chapter X Division of Water, Part 703.5
[2] Class C fresh surface waters; Water Quality Standards Surface Waters and Groundwater, NYSDEC Chapter X Division of Water, Part 703.5

Qualifiers:
B: Analyte was detected in the associated Method Blank
F1: MS and/or MSD Recovery is outside acceptance limits
U: Not detected at the reporting limit (or MDL or EDL if shown)
^ Instrument related QC is outside acceptance limits
* - LCS or LCSD is outside acceptance limits.
*+ - LCS and/or LCSD is outside acceptance limits, high biased.
*1 - LCS/LCSD RPD exceeds control limits.
NS: Not Sampled
Result in Bold Text: Exceeds Class GA Standard

APPENDIX A

Laboratory Report and Field Notes

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Chris L. Callegari
LAN Associates Inc
200 Malaga Street
Suite 3
St. Augustine, Florida 32084

Generated 8/4/2023 11:00:26 AM

JOB DESCRIPTION

Witmer Road G/W

JOB NUMBER

480-210992-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

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

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Authorization

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Table of Contents

Definitions/Glossary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-210992-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-210992-1

Receipt
The samples were received on 7/19/2023 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 18.4º C.

GC/MS VOA
Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-677048 recovered outside control limits for the following analytes: Bromoform and trans-1,4-Dichloro-2-butene.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-677048 recovered above the upper cont limit for 2-Butanone (MEK), Acetonitrile, Chloromethane, Methylene Chloride, Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted MW-BR-1 (480-210992-1), MW-3R (480-210992-2), MW-12 (480-210992-3), MW-14N (480-210992-4), MW-5R (480-210992-5) LS-1 (480-210992-6) and Trip Blank (480-210992-7).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-677048 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene, Chloromethane and 1,1-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, tl data have been reported.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone and 2-Chloro-1,3-butadiene with Vinyl acetate in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 677048. The following samples were affected: MW-BR-1 (480-210992-1), MW-3R (480-210992-2), MW-12 (480-210992-3), MW-14N (480-210992-4), MW-5R (480-210992-5), LS-1 (480-210992-6) and Trip Blar (480-210992-7).

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: MW-BR-1 (480-210992-1), MW-3R (480-210992-2), MW-12 (480-210992-3), MW-14N (480-210992-4), MW-5R (480-210992-5) LS-1 (480-210992-6). Elevated reporting limits (RLs) are provided.

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

Metals
No 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.

Detection Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-BR-1 — Lab Sample ID: 480-210992-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	3.4		1.0		ug/L	1		8260C	Total/NA
Barium	0.11		0.0020		mg/L	1		6010C	Total/NA
Boron	0.11		0.020		mg/L	1		6010C	Total/NA
Manganese	0.20		0.0030		mg/L	1		6010C	Total/NA
Potassium	5.1		0.50		mg/L	1		6010C	Total/NA
Sodium	99.2		1.0		mg/L	1		6010C	Total/NA
Chloride	162		2.5		mg/L	5		300.0	Total/NA
Sulfate	90.9		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	777		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.3		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	-126				millivolts	1		Field Sampling	Total/NA
pH, Field	7.52				SU	1		Field Sampling	Total/NA
Specific Conductance	1281				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	56.1				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	2.17				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-3R — Lab Sample ID: 480-210992-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0020		mg/L	1		6010C	Total/NA
Boron	0.14		0.020		mg/L	1		6010C	Total/NA
Manganese	0.089		0.0030		mg/L	1		6010C	Total/NA
Potassium	0.83		0.50		mg/L	1		6010C	Total/NA
Sodium	47.1		1.0		mg/L	1		6010C	Total/NA
Chloride	72.7		2.5		mg/L	5		300.0	Total/NA
Sulfate	162		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	896		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.9		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	27				millivolts	1		Field Sampling	Total/NA
pH, Field	8.90				SU	1		Field Sampling	Total/NA
Specific Conductance	1300				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	59.5				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	2.34				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-210992-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.1		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	18		1.0		ug/L	1		8260C	Total/NA
Barium	0.048		0.0020		mg/L	1		6010C	Total/NA
Boron	0.16		0.020		mg/L	1		6010C	Total/NA
Manganese	0.22		0.0030		mg/L	1		6010C	Total/NA
Potassium	4.1		0.50		mg/L	1		6010C	Total/NA
Sodium	82.6		1.0		mg/L	1		6010C	Total/NA
Chloride	126		2.5		mg/L	5		300.0	Total/NA
Sulfate	109		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	869		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.0		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	77				millivolts	1		Field Sampling	Total/NA
pH, Field	8.08				SU	1		Field Sampling	Total/NA
Specific Conductance	1307				umhos/cm	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-12 (Continued) — Lab Sample ID: 480-210992-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Temperature, Field (C)	56.3				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	10.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-14N — Lab Sample ID: 480-210992-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	3.6		1.0		ug/L	1		8260C	Total/NA
Barium	0.12		0.0020		mg/L	1		6010C	Total/NA
Boron	0.11		0.020		mg/L	1		6010C	Total/NA
Manganese	0.16		0.0030		mg/L	1		6010C	Total/NA
Potassium	2.6		0.50		mg/L	1		6010C	Total/NA
Sodium	83.0		1.0		mg/L	1		6010C	Total/NA
Chloride	121		2.5		mg/L	5		300.0	Total/NA
Sulfate	214		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	1110		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.2		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	-16				millivolts	1		Field Sampling	Total/NA
pH, Field	7.53				SU	1		Field Sampling	Total/NA
Specific Conductance	1488				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	57.2				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	6.40				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-5R — Lab Sample ID: 480-210992-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.1		1.0		ug/L	1		8260C	Total/NA
Barium	0.083		0.0020		mg/L	1		6010C	Total/NA
Boron	0.19		0.020		mg/L	1		6010C	Total/NA
Manganese	0.12		0.0030		mg/L	1		6010C	Total/NA
Potassium	22.2		0.50		mg/L	1		6010C	Total/NA
Sodium	71.9		1.0		mg/L	1		6010C	Total/NA
Bromide	1.1		1.0		mg/L	5		300.0	Total/NA
Chloride	89.4		2.5		mg/L	5		300.0	Total/NA
Sulfate	155		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	17.4		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	664		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	6.7		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	67				millivolts	1		Field Sampling	Total/NA
pH, Field	9.10				SU	1		Field Sampling	Total/NA
Specific Conductance	957				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	56.6				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	4.20				NTU	1		Field Sampling	Total/NA

Client Sample ID: LS-1 — Lab Sample ID: 480-210992-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.069		0.0020		mg/L	1		6010C	Total/NA
Boron	0.44		0.020		mg/L	1		6010C	Total/NA
Chromium	0.041		0.0040		mg/L	1		6010C	Total/NA
Potassium	91.7		0.50		mg/L	1		6010C	Total/NA
Sodium	74.1		1.0		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: LS-1 (Continued) — Lab Sample ID: 480-210992-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromide	2.0		1.0		mg/L	5		300.0	Total/NA
Chloride	122		2.5		mg/L	5		300.0	Total/NA
Sulfate	165		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	29.3		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	869		10.0		mg/L	1		SM 2540C	Total/NA
Cr (VI)	0.031		0.010		mg/L	1		SM 3500 CR B	Total/NA
Total Organic Carbon	9.0		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	126				millivolts	1		Field Sampling	Total/NA
pH, Field	9.13				SU	1		Field Sampling	Total/NA
Specific Conductance	1297				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	62.9				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	2.76				NTU	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-210992-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-BR-1
Date Collected: 07/19/23 11:48
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 12:36	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 12:36	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 12:36	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 12:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 12:36	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 12:36	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 12:36	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 12:36	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 12:36	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 12:36	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 12:36	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 12:36	1
2-Hexanone	ND		5.0		ug/L			07/20/23 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 12:36	1
Acetone	ND		10		ug/L			07/20/23 12:36	1
Acetonitrile	ND		15		ug/L			07/20/23 12:36	1
Benzene	ND		1.0		ug/L			07/20/23 12:36	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 12:36	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 12:36	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 12:36	1
Bromomethane	ND		1.0		ug/L			07/20/23 12:36	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 12:36	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 12:36	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 12:36	1
Chloroethane	ND		1.0		ug/L			07/20/23 12:36	1
Chloroform	ND		1.0		ug/L			07/20/23 12:36	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 12:36	1
cis-1,2-Dichloroethene	**1.0**		1.0		ug/L			07/20/23 12:36	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 12:36	1
Cyclohexane	ND		1.0		ug/L			07/20/23 12:36	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 12:36	1
Dibromomethane	ND		1.0		ug/L			07/20/23 12:36	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 12:36	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 12:36	1
Iodomethane	ND		1.0		ug/L			07/20/23 12:36	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 12:36	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 12:36	1
Methyl acetate	ND		2.5		ug/L			07/20/23 12:36	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 12:36	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 12:36	1
o-Xylene	ND		1.0		ug/L			07/20/23 12:36	1
Styrene	ND		1.0		ug/L			07/20/23 12:36	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 12:36	1
Toluene	ND		1.0		ug/L			07/20/23 12:36	1

Client Sample ID: MW-BR-1

Date Collected: 07/19/23 11:48
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 12:36	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 12:36	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 12:36	1
Trichloroethene	ND		1.0		ug/L			07/20/23 12:36	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 12:36	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 12:36	1
Vinyl chloride	**3.4**		1.0		ug/L			07/20/23 12:36	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/20/23 12:36*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*07/20/23 12:36*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*07/20/23 12:36*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/20/23 12:36*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 21:51	1
Barium	**0.11**		0.0020		mg/L		07/21/23 08:33	07/21/23 21:51	1
Boron	**0.11**		0.020		mg/L		07/21/23 08:33	07/21/23 21:51	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 21:51	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 21:51	1
Manganese	**0.20**		0.0030		mg/L		07/21/23 08:33	07/21/23 21:51	1
Potassium	**5.1**		0.50		mg/L		07/21/23 08:33	07/21/23 21:51	1
Sodium	**99.2**		1.0		mg/L		07/21/23 08:33	07/21/23 21:51	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 21:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			07/25/23 21:58	5
Chloride (EPA 300.0)	**162**		2.5		mg/L			07/25/23 21:58	5
Sulfate (EPA 300.0)	**90.9**		10.0		mg/L			07/25/23 21:58	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			07/26/23 02:14	1
Total Dissolved Solids (SM 2540C)	**777**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**3.3**		1.0		mg/L			07/25/23 07:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**-126**				millivolts			07/19/23 11:48	1
pH, Field	**7.52**				SU			07/19/23 11:48	1
Specific Conductance	**1281**				umhos/cm			07/19/23 11:48	1
Temperature, Field (C)	**56.1**				Degrees F			07/19/23 11:48	1
Turbidity, Field	**2.17**				NTU			07/19/23 11:48	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-3R
Date Collected: 07/19/23 13:55
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 13:00	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 13:00	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 13:00	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 13:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 13:00	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 13:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:00	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 13:00	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 13:00	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:00	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 13:00	1
2-Hexanone	ND		5.0		ug/L			07/20/23 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 13:00	1
Acetone	ND		10		ug/L			07/20/23 13:00	1
Acetonitrile	ND		15		ug/L			07/20/23 13:00	1
Benzene	ND		1.0		ug/L			07/20/23 13:00	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 13:00	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 13:00	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 13:00	1
Bromomethane	ND		1.0		ug/L			07/20/23 13:00	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 13:00	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 13:00	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 13:00	1
Chloroethane	ND		1.0		ug/L			07/20/23 13:00	1
Chloroform	ND		1.0		ug/L			07/20/23 13:00	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 13:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 13:00	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 13:00	1
Cyclohexane	ND		1.0		ug/L			07/20/23 13:00	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 13:00	1
Dibromomethane	ND		1.0		ug/L			07/20/23 13:00	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 13:00	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 13:00	1
Iodomethane	ND		1.0		ug/L			07/20/23 13:00	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 13:00	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 13:00	1
Methyl acetate	ND		2.5		ug/L			07/20/23 13:00	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 13:00	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 13:00	1
o-Xylene	ND		1.0		ug/L			07/20/23 13:00	1
Styrene	ND		1.0		ug/L			07/20/23 13:00	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 13:00	1
Toluene	ND		1.0		ug/L			07/20/23 13:00	1

Client Sample ID: MW-3R

Date Collected: 07/19/23 13:55
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 13:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 13:00	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 13:00	1
Trichloroethene	ND		1.0		ug/L			07/20/23 13:00	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 13:00	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 13:00	1
Vinyl chloride	ND		1.0		ug/L			07/20/23 13:00	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/20/23 13:00*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*07/20/23 13:00*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*07/20/23 13:00*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*07/20/23 13:00*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 22:21	1
Barium	**0.037**		0.0020		mg/L		07/21/23 08:33	07/21/23 22:21	1
Boron	**0.14**		0.020		mg/L		07/21/23 08:33	07/21/23 22:21	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 22:21	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 22:21	1
Manganese	**0.089**		0.0030		mg/L		07/21/23 08:33	07/21/23 22:21	1
Potassium	**0.83**		0.50		mg/L		07/21/23 08:33	07/21/23 22:21	1
Sodium	**47.1**		1.0		mg/L		07/21/23 08:33	07/21/23 22:21	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 22:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			07/25/23 23:56	5
Chloride (EPA 300.0)	**72.7**		2.5		mg/L			07/25/23 23:56	5
Sulfate (EPA 300.0)	**162**		10.0		mg/L			07/25/23 23:56	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			07/26/23 02:17	1
Total Dissolved Solids (SM 2540C)	**896**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**2.9**		1.0		mg/L			07/25/23 08:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**27**				millivolts			07/19/23 13:55	1
pH, Field	**8.90**				SU			07/19/23 13:55	1
Specific Conductance	**1300**				umhos/cm			07/19/23 13:55	1
Temperature, Field (C)	**59.5**				Degrees F			07/19/23 13:55	1
Turbidity, Field	**2.34**				NTU			07/19/23 13:55	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-12

Date Collected: 07/19/23 11:37
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 13:24	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 13:24	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 13:24	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 13:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 13:24	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 13:24	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:24	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 13:24	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 13:24	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:24	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:24	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 13:24	1
2-Hexanone	ND		5.0		ug/L			07/20/23 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 13:24	1
Acetone	ND		10		ug/L			07/20/23 13:24	1
Acetonitrile	ND		15		ug/L			07/20/23 13:24	1
Benzene	ND		1.0		ug/L			07/20/23 13:24	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 13:24	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 13:24	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 13:24	1
Bromomethane	ND		1.0		ug/L			07/20/23 13:24	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 13:24	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 13:24	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 13:24	1
Chloroethane	ND		1.0		ug/L			07/20/23 13:24	1
Chloroform	ND		1.0		ug/L			07/20/23 13:24	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 13:24	1
cis-1,2-Dichloroethene	**3.1**		1.0		ug/L			07/20/23 13:24	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 13:24	1
Cyclohexane	ND		1.0		ug/L			07/20/23 13:24	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 13:24	1
Dibromomethane	ND		1.0		ug/L			07/20/23 13:24	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 13:24	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 13:24	1
Iodomethane	ND		1.0		ug/L			07/20/23 13:24	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 13:24	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 13:24	1
Methyl acetate	ND		2.5		ug/L			07/20/23 13:24	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 13:24	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 13:24	1
o-Xylene	ND		1.0		ug/L			07/20/23 13:24	1
Styrene	ND		1.0		ug/L			07/20/23 13:24	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 13:24	1
Toluene	ND		1.0		ug/L			07/20/23 13:24	1

Client Sample ID: MW-12

Date Collected: 07/19/23 11:37
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 13:24	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 13:24	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 13:24	1
Trichloroethene	ND		1.0		ug/L			07/20/23 13:24	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 13:24	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 13:24	1
Vinyl chloride	**18**		1.0		ug/L			07/20/23 13:24	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*07/20/23 13:24*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*07/20/23 13:24*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*07/20/23 13:24*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/20/23 13:24*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 22:25	1
Barium	**0.048**		0.0020		mg/L		07/21/23 08:33	07/21/23 22:25	1
Boron	**0.16**		0.020		mg/L		07/21/23 08:33	07/21/23 22:25	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 22:25	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 22:25	1
Manganese	**0.22**		0.0030		mg/L		07/21/23 08:33	07/21/23 22:25	1
Potassium	**4.1**		0.50		mg/L		07/21/23 08:33	07/21/23 22:25	1
Sodium	**82.6**		1.0		mg/L		07/21/23 08:33	07/21/23 22:25	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 22:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			07/26/23 00:16	5
Chloride (EPA 300.0)	**126**		2.5		mg/L			07/26/23 00:16	5
Sulfate (EPA 300.0)	**109**		10.0		mg/L			07/26/23 00:16	5
Chemical Oxygen Demand (EPA 410.4)	ND	F1	10.0		mg/L			07/27/23 14:12	1
Total Dissolved Solids (SM 2540C)	**869**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**3.0**		1.0		mg/L			07/25/23 09:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**77**				millivolts			07/19/23 11:37	1
pH, Field	**8.08**				SU			07/19/23 11:37	1
Specific Conductance	**1307**				umhos/cm			07/19/23 11:37	1
Temperature, Field (C)	**56.3**				Degrees F			07/19/23 11:37	1
Turbidity, Field	**10.40**				NTU			07/19/23 11:37	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-14N
Date Collected: 07/19/23 13:04
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 13:48	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 13:48	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 13:48	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 13:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 13:48	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 13:48	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:48	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 13:48	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 13:48	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:48	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 13:48	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 13:48	1
2-Hexanone	ND		5.0		ug/L			07/20/23 13:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 13:48	1
Acetone	ND		10		ug/L			07/20/23 13:48	1
Acetonitrile	ND		15		ug/L			07/20/23 13:48	1
Benzene	ND		1.0		ug/L			07/20/23 13:48	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 13:48	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 13:48	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 13:48	1
Bromomethane	ND		1.0		ug/L			07/20/23 13:48	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 13:48	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 13:48	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 13:48	1
Chloroethane	ND		1.0		ug/L			07/20/23 13:48	1
Chloroform	ND		1.0		ug/L			07/20/23 13:48	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 13:48	1
cis-1,2-Dichloroethene	**21**		1.0		ug/L			07/20/23 13:48	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 13:48	1
Cyclohexane	ND		1.0		ug/L			07/20/23 13:48	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 13:48	1
Dibromomethane	ND		1.0		ug/L			07/20/23 13:48	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 13:48	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 13:48	1
Iodomethane	ND		1.0		ug/L			07/20/23 13:48	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 13:48	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 13:48	1
Methyl acetate	ND		2.5		ug/L			07/20/23 13:48	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 13:48	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 13:48	1
o-Xylene	ND		1.0		ug/L			07/20/23 13:48	1
Styrene	ND		1.0		ug/L			07/20/23 13:48	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 13:48	1
Toluene	ND		1.0		ug/L			07/20/23 13:48	1

Client Sample ID: MW-14N

Date Collected: 07/19/23 13:04
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 13:48	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 13:48	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 13:48	1
Trichloroethene	ND		1.0		ug/L			07/20/23 13:48	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 13:48	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 13:48	1
Vinyl chloride	**3.6**		1.0		ug/L			07/20/23 13:48	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/20/23 13:48*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*07/20/23 13:48*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*07/20/23 13:48*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/20/23 13:48*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 22:28	1
Barium	**0.12**		0.0020		mg/L		07/21/23 08:33	07/21/23 22:28	1
Boron	**0.11**		0.020		mg/L		07/21/23 08:33	07/21/23 22:28	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 22:28	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 22:28	1
Manganese	**0.16**		0.0030		mg/L		07/21/23 08:33	07/21/23 22:28	1
Potassium	**2.6**		0.50		mg/L		07/21/23 08:33	07/21/23 22:28	1
Sodium	**83.0**		1.0		mg/L		07/21/23 08:33	07/21/23 22:28	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 22:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			07/26/23 00:35	5
Chloride (EPA 300.0)	**121**		2.5		mg/L			07/26/23 00:35	5
Sulfate (EPA 300.0)	**214**		10.0		mg/L			07/26/23 00:35	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			07/27/23 14:12	1
Total Dissolved Solids (SM 2540C)	**1110**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**3.2**		1.0		mg/L			07/25/23 09:34	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**-16**				millivolts			07/19/23 13:04	1
pH, Field	**7.53**				SU			07/19/23 13:04	1
Specific Conductance	**1488**				umhos/cm			07/19/23 13:04	1
Temperature, Field (C)	**57.2**				Degrees F			07/19/23 13:04	1
Turbidity, Field	**6.40**				NTU			07/19/23 13:04	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-5R
Date Collected: 07/19/23 12:46
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 14:13	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 14:13	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 14:13	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 14:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 14:13	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 14:13	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:13	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 14:13	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 14:13	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:13	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:13	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 14:13	1
2-Hexanone	ND		5.0		ug/L			07/20/23 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 14:13	1
Acetone	ND		10		ug/L			07/20/23 14:13	1
Acetonitrile	ND		15		ug/L			07/20/23 14:13	1
Benzene	ND		1.0		ug/L			07/20/23 14:13	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 14:13	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 14:13	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 14:13	1
Bromomethane	ND		1.0		ug/L			07/20/23 14:13	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 14:13	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 14:13	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 14:13	1
Chloroethane	ND		1.0		ug/L			07/20/23 14:13	1
Chloroform	ND		1.0		ug/L			07/20/23 14:13	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 14:13	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 14:13	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 14:13	1
Cyclohexane	ND		1.0		ug/L			07/20/23 14:13	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 14:13	1
Dibromomethane	ND		1.0		ug/L			07/20/23 14:13	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 14:13	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 14:13	1
Iodomethane	ND		1.0		ug/L			07/20/23 14:13	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 14:13	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 14:13	1
Methyl acetate	ND		2.5		ug/L			07/20/23 14:13	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 14:13	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 14:13	1
o-Xylene	ND		1.0		ug/L			07/20/23 14:13	1
Styrene	ND		1.0		ug/L			07/20/23 14:13	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 14:13	1
Toluene	ND		1.0		ug/L			07/20/23 14:13	1

Client Sample ID: MW-5R

Date Collected: 07/19/23 12:46
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 14:13	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 14:13	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 14:13	1
Trichloroethene	ND		1.0		ug/L			07/20/23 14:13	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 14:13	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 14:13	1
Vinyl chloride	**1.1**		1.0		ug/L			07/20/23 14:13	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/20/23 14:13*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*07/20/23 14:13*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*07/20/23 14:13*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/20/23 14:13*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 22:32	1
Barium	**0.083**		0.0020		mg/L		07/21/23 08:33	07/21/23 22:32	1
Boron	**0.19**		0.020		mg/L		07/21/23 08:33	07/21/23 22:32	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 22:32	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 22:32	1
Manganese	**0.12**		0.0030		mg/L		07/21/23 08:33	07/21/23 22:32	1
Potassium	**22.2**		0.50		mg/L		07/21/23 08:33	07/21/23 22:32	1
Sodium	**71.9**		1.0		mg/L		07/21/23 08:33	07/21/23 22:32	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 22:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.1**		1.0		mg/L			07/26/23 00:55	5
Chloride (EPA 300.0)	**89.4**		2.5		mg/L			07/26/23 00:55	5
Sulfate (EPA 300.0)	**155**		10.0		mg/L			07/26/23 00:55	5
Chemical Oxygen Demand (EPA 410.4)	**17.4**		10.0		mg/L			07/27/23 14:12	1
Total Dissolved Solids (SM 2540C)	**664**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**6.7**		1.0		mg/L			07/25/23 10:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**67**				millivolts			07/19/23 12:46	1
pH, Field	**9.10**				SU			07/19/23 12:46	1
Specific Conductance	**957**				umhos/cm			07/19/23 12:46	1
Temperature, Field (C)	**56.6**				Degrees F			07/19/23 12:46	1
Turbidity, Field	**4.20**				NTU			07/19/23 12:46	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: LS-1
Date Collected: 07/19/23 14:13
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 14:37	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 14:37	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 14:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 14:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 14:37	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 14:37	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:37	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 14:37	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 14:37	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 14:37	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 14:37	1
2-Hexanone	ND		5.0		ug/L			07/20/23 14:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 14:37	1
Acetone	ND		10		ug/L			07/20/23 14:37	1
Acetonitrile	ND		15		ug/L			07/20/23 14:37	1
Benzene	ND		1.0		ug/L			07/20/23 14:37	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 14:37	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 14:37	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 14:37	1
Bromomethane	ND		1.0		ug/L			07/20/23 14:37	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 14:37	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 14:37	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 14:37	1
Chloroethane	ND		1.0		ug/L			07/20/23 14:37	1
Chloroform	ND		1.0		ug/L			07/20/23 14:37	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 14:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 14:37	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 14:37	1
Cyclohexane	ND		1.0		ug/L			07/20/23 14:37	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 14:37	1
Dibromomethane	ND		1.0		ug/L			07/20/23 14:37	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 14:37	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 14:37	1
Iodomethane	ND		1.0		ug/L			07/20/23 14:37	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 14:37	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 14:37	1
Methyl acetate	ND		2.5		ug/L			07/20/23 14:37	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 14:37	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 14:37	1
o-Xylene	ND		1.0		ug/L			07/20/23 14:37	1
Styrene	ND		1.0		ug/L			07/20/23 14:37	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 14:37	1
Toluene	ND		1.0		ug/L			07/20/23 14:37	1

Client Sample ID: LS-1

Date Collected: 07/19/23 14:13
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 14:37	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 14:37	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 14:37	1
Trichloroethene	ND		1.0		ug/L			07/20/23 14:37	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 14:37	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 14:37	1
Vinyl chloride	ND		1.0		ug/L			07/20/23 14:37	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/20/23 14:37*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*07/20/23 14:37*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*07/20/23 14:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/20/23 14:37*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 22:36	1
Barium	**0.069**		0.0020		mg/L		07/21/23 08:33	07/21/23 22:36	1
Boron	**0.44**		0.020		mg/L		07/21/23 08:33	07/21/23 22:36	1
Chromium	**0.041**		0.0040		mg/L		07/21/23 08:33	07/21/23 22:36	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 22:36	1
Manganese	ND		0.0030		mg/L		07/21/23 08:33	07/21/23 22:36	1
Potassium	**91.7**		0.50		mg/L		07/21/23 08:33	07/21/23 22:36	1
Sodium	**74.1**		1.0		mg/L		07/21/23 08:33	07/21/23 22:36	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 22:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		07/20/23 11:32	07/20/23 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.0**		1.0		mg/L			07/26/23 01:14	5
Chloride (EPA 300.0)	**122**		2.5		mg/L			07/26/23 01:14	5
Sulfate (EPA 300.0)	**165**		10.0		mg/L			07/26/23 01:14	5
Chemical Oxygen Demand (EPA 410.4)	**29.3**		10.0		mg/L			07/27/23 14:12	1
Total Dissolved Solids (SM 2540C)	**869**		10.0		mg/L			07/24/23 16:28	1
Cr (VI) (SM 3500 CR B)	**0.031**		0.010		mg/L			07/19/23 15:43	1
Total Organic Carbon (SM 5310C)	**9.0**		1.0		mg/L			07/25/23 10:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**126**				millivolts			07/19/23 14:13	1
pH, Field	**9.13**				SU			07/19/23 14:13	1
Specific Conductance	**1297**				umhos/cm			07/19/23 14:13	1
Temperature, Field (C)	**62.9**				Degrees F			07/19/23 14:13	1
Turbidity, Field	**2.76**				NTU			07/19/23 14:13	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: Trip Blank

Date Collected: 07/19/23 00:00
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,1-Dichloroethane	ND	*+	1.0		ug/L			07/20/23 15:01	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 15:01	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 15:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 15:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 15:01	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 15:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 15:01	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 15:01	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 15:01	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 15:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 15:01	1
2-Butanone (MEK)	ND	*+	10		ug/L			07/20/23 15:01	1
2-Hexanone	ND		5.0		ug/L			07/20/23 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 15:01	1
Acetone	ND		10		ug/L			07/20/23 15:01	1
Acetonitrile	ND		15		ug/L			07/20/23 15:01	1
Benzene	ND		1.0		ug/L			07/20/23 15:01	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 15:01	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 15:01	1
Bromoform	ND	*1	1.0		ug/L			07/20/23 15:01	1
Bromomethane	ND		1.0		ug/L			07/20/23 15:01	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 15:01	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 15:01	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 15:01	1
Chloroethane	ND		1.0		ug/L			07/20/23 15:01	1
Chloroform	ND		1.0		ug/L			07/20/23 15:01	1
Chloromethane	ND	*+	1.0		ug/L			07/20/23 15:01	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 15:01	1
cis-1,3-Dichloropropene	ND	*+	1.0		ug/L			07/20/23 15:01	1
Cyclohexane	ND		1.0		ug/L			07/20/23 15:01	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 15:01	1
Dibromomethane	ND		1.0		ug/L			07/20/23 15:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 15:01	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 15:01	1
Iodomethane	ND		1.0		ug/L			07/20/23 15:01	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 15:01	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 15:01	1
Methyl acetate	ND		2.5		ug/L			07/20/23 15:01	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 15:01	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 15:01	1
o-Xylene	ND		1.0		ug/L			07/20/23 15:01	1
Styrene	ND		1.0		ug/L			07/20/23 15:01	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 15:01	1
Toluene	ND		1.0		ug/L			07/20/23 15:01	1

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: Trip Blank

Date Collected: 07/19/23 00:00
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 15:01	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 15:01	1
trans-1,4-Dichloro-2-butene	ND	*1	1.0		ug/L			07/20/23 15:01	1
Trichloroethene	ND		1.0		ug/L			07/20/23 15:01	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 15:01	1
Vinyl acetate	ND	*+	5.0		ug/L			07/20/23 15:01	1
Vinyl chloride	ND		1.0		ug/L			07/20/23 15:01	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/20/23 15:01*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*07/20/23 15:01*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*07/20/23 15:01*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/20/23 15:01*	*1*

Surrogate Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-210992-1	MW-BR-1	105	82	85	98
480-210992-2	MW-3R	103	82	86	96
480-210992-3	MW-12	106	82	85	98
480-210992-4	MW-14N	105	83	86	99
480-210992-5	MW-5R	103	82	85	99
480-210992-6	LS-1	101	82	85	98
480-210992-7	Trip Blank	104	83	87	99
LCS 480-677048/6	Lab Control Sample	105	85	84	106
LCSD 480-677048/32	Lab Control Sample Dup	105	80	82	104
MB 480-677048/8	Method Blank	104	84	86	99

Surrogate Legend

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

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

Lab Sample ID: MB 480-677048/8
Matrix: Water
Analysis Batch: 677048

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1-Dichloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,1-Dichloroethene	ND		1.0		ug/L			07/20/23 10:47	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/20/23 10:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/20/23 10:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			07/20/23 10:47	1
1,2-Dibromoethane	ND		1.0		ug/L			07/20/23 10:47	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/20/23 10:47	1
1,2-Dichloroethane	ND		1.0		ug/L			07/20/23 10:47	1
1,2-Dichloropropane	ND		1.0		ug/L			07/20/23 10:47	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/20/23 10:47	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/20/23 10:47	1
2-Butanone (MEK)	ND		10		ug/L			07/20/23 10:47	1
2-Hexanone	ND		5.0		ug/L			07/20/23 10:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			07/20/23 10:47	1
Acetone	ND		10		ug/L			07/20/23 10:47	1
Acetonitrile	ND		15		ug/L			07/20/23 10:47	1
Benzene	ND		1.0		ug/L			07/20/23 10:47	1
Bromochloromethane	ND		1.0		ug/L			07/20/23 10:47	1
Bromodichloromethane	ND		1.0		ug/L			07/20/23 10:47	1
Bromoform	ND		1.0		ug/L			07/20/23 10:47	1
Bromomethane	ND		1.0		ug/L			07/20/23 10:47	1
Carbon disulfide	ND		1.0		ug/L			07/20/23 10:47	1
Carbon tetrachloride	ND		1.0		ug/L			07/20/23 10:47	1
Chlorobenzene	ND		1.0		ug/L			07/20/23 10:47	1
Chloroethane	ND		1.0		ug/L			07/20/23 10:47	1
Chloroform	ND		1.0		ug/L			07/20/23 10:47	1
Chloromethane	ND		1.0		ug/L			07/20/23 10:47	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 10:47	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 10:47	1
Cyclohexane	ND		1.0		ug/L			07/20/23 10:47	1
Dibromochloromethane	ND		1.0		ug/L			07/20/23 10:47	1
Dibromomethane	ND		1.0		ug/L			07/20/23 10:47	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/20/23 10:47	1
Ethylbenzene	ND		1.0		ug/L			07/20/23 10:47	1
Iodomethane	ND		1.0		ug/L			07/20/23 10:47	1
Isopropylbenzene	ND		1.0		ug/L			07/20/23 10:47	1
m,p-Xylene	ND		2.0		ug/L			07/20/23 10:47	1
Methyl acetate	ND		2.5		ug/L			07/20/23 10:47	1
Methylcyclohexane	ND		1.0		ug/L			07/20/23 10:47	1
Methylene Chloride	ND		1.0		ug/L			07/20/23 10:47	1
o-Xylene	ND		1.0		ug/L			07/20/23 10:47	1
Styrene	ND		1.0		ug/L			07/20/23 10:47	1
Tetrachloroethene	ND		1.0		ug/L			07/20/23 10:47	1

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

Lab Sample ID: MB 480-677048/8
Matrix: Water
Analysis Batch: 677048

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0		ug/L			07/20/23 10:47	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/20/23 10:47	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			07/20/23 10:47	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			07/20/23 10:47	1
Trichloroethene	ND		1.0		ug/L			07/20/23 10:47	1
Trichlorofluoromethane	ND		1.0		ug/L			07/20/23 10:47	1
Vinyl acetate	ND		5.0		ug/L			07/20/23 10:47	1
Vinyl chloride	ND		1.0		ug/L			07/20/23 10:47	1
Xylenes, Total	ND		2.0		ug/L			07/20/23 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/20/23 10:47*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*07/20/23 10:47*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*07/20/23 10:47*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/20/23 10:47*	*1*

Lab Sample ID: LCS 480-677048/6
Matrix: Water
Analysis Batch: 677048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	25.0	24.8		ug/L		99	80 - 120
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.5		ug/L		86	61 - 148
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	31.2	*+	ug/L		125	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		104	66 - 127
1,2,3-Trichloropropane	25.0	22.9		ug/L		92	68 - 122
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.9		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	24.1		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	28.1		ug/L		112	75 - 120
1,2-Dichloropropane	25.0	29.8		ug/L		119	76 - 120
1,3-Dichlorobenzene	25.0	23.4		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Butanone (MEK)	125	267	*+	ug/L		214	57 - 140
2-Hexanone	125	123		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	158		ug/L		126	56 - 142
Acetonitrile	250	273		ug/L		109	65 - 129
Benzene	25.0	29.5		ug/L		118	71 - 124
Bromochloromethane	25.0	28.9		ug/L		116	72 - 130
Bromodichloromethane	25.0	28.5		ug/L		114	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	29.0		ug/L		116	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134

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

Lab Sample ID: LCS 480-677048/6
Matrix: Water
Analysis Batch: 677048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	25.0	23.3		ug/L		93	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chloroethane	25.0	30.0		ug/L		120	69 - 136
Chloroform	25.0	29.0		ug/L		116	73 - 127
Chloromethane	25.0	31.8	*+	ug/L		127	68 - 124
cis-1,2-Dichloroethene	25.0	29.8		ug/L		119	74 - 124
cis-1,3-Dichloropropene	25.0	31.6	*+	ug/L		126	74 - 124
Cyclohexane	25.0	26.1		ug/L		105	59 - 135
Dibromochloromethane	25.0	24.8		ug/L		99	75 - 125
Dibromomethane	25.0	29.0		ug/L		116	76 - 127
Dichlorodifluoromethane	25.0	28.7		ug/L		115	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Iodomethane	25.0	30.5		ug/L		122	78 - 123
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
m,p-Xylene	25.0	24.1		ug/L		96	76 - 122
Methyl acetate	50.0	59.0		ug/L		118	74 - 133
Methylcyclohexane	25.0	25.6		ug/L		102	68 - 134
Methylene Chloride	25.0	30.9		ug/L		123	75 - 124
o-Xylene	25.0	24.0		ug/L		96	76 - 122
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
trans-1,4-Dichloro-2-butene	25.0	20.1		ug/L		80	41 - 131
Trichloroethene	25.0	29.1		ug/L		116	74 - 123
Trichlorofluoromethane	25.0	29.6		ug/L		118	62 - 150
Vinyl acetate	50.0	95.8	*+	ug/L		192	50 - 144
Vinyl chloride	25.0	29.5		ug/L		118	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*
Toluene-d8 (Surr)	*84*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: LCSD 480-677048/32
Matrix: Water
Analysis Batch: 677048

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	22.2		ug/L		89	80 - 120	11	20
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126	8	15
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.3		ug/L		81	61 - 148	6	20
1,1,2-Trichloroethane	25.0	24.1		ug/L		97	76 - 122	4	15
1,1-Dichloroethane	25.0	29.6		ug/L		118	77 - 120	5	20
1,1-Dichloroethene	25.0	24.6		ug/L		98	66 - 127	6	16

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

Lab Sample ID: LCSD 480-677048/32
Matrix: Water
Analysis Batch: 677048

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	25.0	20.9		ug/L		84	68 - 122	9	14
1,2,4-Trichlorobenzene	25.0	20.6		ug/L		82	79 - 122	11	20
1,2-Dibromo-3-Chloropropane	25.0	20.6		ug/L		82	56 - 134	15	15
1,2-Dibromoethane	25.0	22.2		ug/L		89	77 - 120	8	15
1,2-Dichlorobenzene	25.0	21.1		ug/L		84	80 - 124	9	20
1,2-Dichloroethane	25.0	26.9		ug/L		107	75 - 120	4	20
1,2-Dichloropropane	25.0	28.1		ug/L		112	76 - 120	6	20
1,3-Dichlorobenzene	25.0	20.9		ug/L		84	77 - 120	11	20
1,4-Dichlorobenzene	25.0	20.7		ug/L		83	80 - 120	10	20
2-Butanone (MEK)	125	254	*+	ug/L		203	57 - 140	5	20
2-Hexanone	125	115		ug/L		92	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125	6	35
Acetone	125	144		ug/L		115	56 - 142	9	15
Acetonitrile	250	270		ug/L		108	65 - 129	1	20
Benzene	25.0	27.5		ug/L		110	71 - 124	7	13
Bromochloromethane	25.0	27.8		ug/L		111	72 - 130	4	15
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122	9	15
Bromoform	25.0	20.2	*1	ug/L		81	61 - 132	18	15
Bromomethane	25.0	26.7		ug/L		107	55 - 144	8	15
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134	13	15
Carbon tetrachloride	25.0	21.2		ug/L		85	72 - 134	10	15
Chlorobenzene	25.0	22.3		ug/L		89	80 - 120	8	25
Chloroethane	25.0	28.3		ug/L		113	69 - 136	6	15
Chloroform	25.0	27.4		ug/L		110	73 - 127	6	20
Chloromethane	25.0	30.0		ug/L		120	68 - 124	6	15
cis-1,2-Dichloroethene	25.0	27.7		ug/L		111	74 - 124	7	15
cis-1,3-Dichloropropene	25.0	27.9		ug/L		112	74 - 124	12	15
Cyclohexane	25.0	25.2		ug/L		101	59 - 135	4	20
Dibromochloromethane	25.0	21.8		ug/L		87	75 - 125	13	15
Dibromomethane	25.0	27.5		ug/L		110	76 - 127	5	15
Dichlorodifluoromethane	25.0	24.9		ug/L		99	59 - 135	14	20
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123	7	15
Iodomethane	25.0	27.5		ug/L		110	78 - 123	10	20
Isopropylbenzene	25.0	21.1		ug/L		85	77 - 122	10	20
m,p-Xylene	25.0	22.1		ug/L		88	76 - 122	9	16
Methyl acetate	50.0	55.9		ug/L		112	74 - 133	5	20
Methylcyclohexane	25.0	24.4		ug/L		98	68 - 134	5	20
Methylene Chloride	25.0	29.0		ug/L		116	75 - 124	6	15
o-Xylene	25.0	22.1		ug/L		88	76 - 122	8	16
Styrene	25.0	22.1		ug/L		88	80 - 120	8	20
Tetrachloroethene	25.0	23.0		ug/L		92	74 - 122	5	20
Toluene	25.0	22.4		ug/L		89	80 - 122	8	15
trans-1,2-Dichloroethene	25.0	27.1		ug/L		108	73 - 127	7	20
trans-1,3-Dichloropropene	25.0	21.9		ug/L		87	80 - 120	15	15
trans-1,4-Dichloro-2-butene	25.0	14.0	*1	ug/L		56	41 - 131	35	20
Trichloroethene	25.0	27.2		ug/L		109	74 - 123	7	16
Trichlorofluoromethane	25.0	26.9		ug/L		108	62 - 150	9	20
Vinyl acetate	50.0	76.2	*+	ug/L		152	50 - 144	23	23
Vinyl chloride	25.0	27.1		ug/L		109	65 - 133	8	15

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*
Toluene-d8 (Surr)	*82*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-677170/1-A
Matrix: Water
Analysis Batch: 677394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/21/23 08:33	07/21/23 21:44	1
Barium	ND		0.0020		mg/L		07/21/23 08:33	07/21/23 21:44	1
Boron	ND		0.020		mg/L		07/21/23 08:33	07/21/23 21:44	1
Chromium	ND		0.0040		mg/L		07/21/23 08:33	07/21/23 21:44	1
Lead	ND		0.010		mg/L		07/21/23 08:33	07/21/23 21:44	1
Manganese	ND		0.0030		mg/L		07/21/23 08:33	07/21/23 21:44	1
Potassium	ND		0.50		mg/L		07/21/23 08:33	07/21/23 21:44	1
Sodium	ND		1.0		mg/L		07/21/23 08:33	07/21/23 21:44	1
Selenium	ND		0.025		mg/L		07/21/23 08:33	07/21/23 21:44	1

Lab Sample ID: LCS 480-677170/2-A
Matrix: Water
Analysis Batch: 677394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.201		mg/L		100	80 - 120
Barium	0.200	0.209		mg/L		105	80 - 120
Boron	0.201	0.203		mg/L		101	80 - 120
Chromium	0.201	0.201		mg/L		100	80 - 120
Lead	0.200	0.192		mg/L		96	80 - 120
Manganese	0.200	0.204		mg/L		102	80 - 120
Potassium	10.0	10.31		mg/L		103	80 - 120
Sodium	10.0	10.19		mg/L		102	80 - 120
Selenium	0.200	0.201		mg/L		100	80 - 120

Lab Sample ID: 480-210992-1 MS
Matrix: Water
Analysis Batch: 677394

Client Sample ID: MW-BR-1
Prep Type: Total/NA
Prep Batch: 677170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.200	0.208		mg/L		104	75 - 125
Barium	0.11		0.200	0.313		mg/L		102	75 - 125
Boron	0.11		0.201	0.308		mg/L		98	75 - 125
Chromium	ND		0.201	0.203		mg/L		101	75 - 125
Lead	ND		0.200	0.197		mg/L		99	75 - 125
Manganese	0.20		0.200	0.398		mg/L		101	75 - 125
Potassium	5.1		10.0	15.47		mg/L		104	75 - 125
Sodium	99.2		10.0	109.7	4	mg/L		104	75 - 125
Selenium	ND		0.200	0.200		mg/L		100	75 - 125

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

Lab Sample ID: 480-210992-1 MSD — **Client Sample ID: MW-BR-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677394 — **Prep Batch: 677170**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.200	0.207		mg/L		104	75 - 125	1	20
Barium	0.11		0.200	0.312		mg/L		101	75 - 125	1	20
Boron	0.11		0.201	0.308		mg/L		98	75 - 125	0	20
Chromium	ND		0.201	0.200		mg/L		100	75 - 125	2	20
Lead	ND		0.200	0.196		mg/L		98	75 - 125	0	20
Manganese	0.20		0.200	0.392		mg/L		98	75 - 125	1	20
Potassium	5.1		10.0	15.39		mg/L		103	75 - 125	1	20
Sodium	99.2		10.0	109.1	4	mg/L		98	75 - 125	1	20
Selenium	ND		0.200	0.198		mg/L		99	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-677109/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677192 — **Prep Batch: 677109**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000528		0.00020		mg/L		07/20/23 11:32	07/20/23 14:57	1

Lab Sample ID: LCS 480-677109/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677192 — **Prep Batch: 677109**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00599		mg/L		89	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-677662/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			07/25/23 23:17	1
Chloride	ND		0.50		mg/L			07/25/23 23:17	1
Sulfate	ND		2.0		mg/L			07/25/23 23:17	1

Lab Sample ID: MB 480-677662/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 677662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			07/25/23 15:26	1
Chloride	ND		0.50		mg/L			07/25/23 15:26	1
Sulfate	ND		2.0		mg/L			07/25/23 15:26	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-677662/29
Matrix: Water
Analysis Batch: 677662

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.01	4.86		mg/L		97	90 - 110
Chloride	50.1	47.32		mg/L		95	90 - 110
Sulfate	50.1	47.61		mg/L		95	90 - 110

Lab Sample ID: LCS 480-677662/5
Matrix: Water
Analysis Batch: 677662

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.01	4.87		mg/L		97	90 - 110
Chloride	50.1	47.32		mg/L		95	90 - 110
Sulfate	50.1	47.63		mg/L		95	90 - 110

Lab Sample ID: 480-210992-1 MS
Matrix: Water
Analysis Batch: 677662

Client Sample ID: MW-BR-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	ND		25.0	24.01		mg/L		94	80 - 120
Chloride	162		250	387.8		mg/L		90	81 - 120
Sulfate	90.9		250	320.2		mg/L		92	80 - 120

Method: 410.4 - COD

Lab Sample ID: MB 480-677830/28
Matrix: Water
Analysis Batch: 677830

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			07/25/23 21:35	1

Lab Sample ID: MB 480-677830/52
Matrix: Water
Analysis Batch: 677830

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			07/26/23 01:53	1

Lab Sample ID: LCS 480-677830/29
Matrix: Water
Analysis Batch: 677830

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	27.14		mg/L		109	90 - 110

Method: 410.4 - COD (Continued)

Lab Sample ID: LCS 480-677830/53
Matrix: Water
Analysis Batch: 677830

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	26.02		mg/L		104	90 - 110

Lab Sample ID: MB 480-678013/3
Matrix: Water
Analysis Batch: 678013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			07/27/23 14:12	1

Lab Sample ID: MB 480-678013/75
Matrix: Water
Analysis Batch: 678013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0		mg/L			07/27/23 14:12	1

Lab Sample ID: LCS 480-678013/4
Matrix: Water
Analysis Batch: 678013

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	27.29		mg/L		109	90 - 110

Lab Sample ID: LCS 480-678013/76
Matrix: Water
Analysis Batch: 678013

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	25.0	25.93		mg/L		104	90 - 110

Lab Sample ID: 480-210992-3 MS
Matrix: Water
Analysis Batch: 678013

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND	F1	50.0	65.88	F1	mg/L		132	75 - 125

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

Lab Sample ID: MB 480-677541/1
Matrix: Water
Analysis Batch: 677541

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0		mg/L			07/24/23 16:28	1

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

Lab Sample ID: LCS 480-677541/2
Matrix: Water
Analysis Batch: 677541

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			552	467.0		mg/L		85	85 - 115		

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 480-677008/3
Matrix: Water
Analysis Batch: 677008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			07/19/23 15:43	1

Lab Sample ID: LCS 480-677008/4
Matrix: Water
Analysis Batch: 677008

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)			0.0500	0.0505		mg/L		101	85 - 115		

Lab Sample ID: 480-210992-2 MS
Matrix: Water
Analysis Batch: 677008

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	ND		0.0500	0.0455		mg/L		91	85 - 115		

Lab Sample ID: 480-210992-6 MS
Matrix: Water
Analysis Batch: 677008

Client Sample ID: LS-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	0.031		0.0500	0.0876		mg/L		114	85 - 115		

Lab Sample ID: 480-210992-1 DU
Matrix: Water
Analysis Batch: 677008

Client Sample ID: MW-BR-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	ND			ND		mg/L				NC	15

Lab Sample ID: 480-210992-6 DU
Matrix: Water
Analysis Batch: 677008

Client Sample ID: LS-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	0.031			0.0307		mg/L				0	15

Method: SM 5310C - TOC

Lab Sample ID: MB 480-677668/28
Matrix: Water
Analysis Batch: 677668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0		mg/L			07/25/23 00:48	1

Lab Sample ID: LCS 480-677668/29
Matrix: Water
Analysis Batch: 677668

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			60.0	58.55		mg/L		98	90 - 110		

Lab Sample ID: 480-210992-1 DU
Matrix: Water
Analysis Batch: 677668

Client Sample ID: MW-BR-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	3.3			3.10		mg/L				7	20

QC Association Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

GC/MS VOA

Analysis Batch: 677048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	8260C	
480-210992-2	MW-3R	Total/NA	Water	8260C	
480-210992-3	MW-12	Total/NA	Water	8260C	
480-210992-4	MW-14N	Total/NA	Water	8260C	
480-210992-5	MW-5R	Total/NA	Water	8260C	
480-210992-6	LS-1	Total/NA	Water	8260C	
480-210992-7	Trip Blank	Total/NA	Water	8260C	
MB 480-677048/8	Method Blank	Total/NA	Water	8260C	
LCS 480-677048/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-677048/32	Lab Control Sample Dup	Total/NA	Water	8260C	

Metals

Prep Batch: 677109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	7470A	
480-210992-2	MW-3R	Total/NA	Water	7470A	
480-210992-3	MW-12	Total/NA	Water	7470A	
480-210992-4	MW-14N	Total/NA	Water	7470A	
480-210992-5	MW-5R	Total/NA	Water	7470A	
480-210992-6	LS-1	Total/NA	Water	7470A	
MB 480-677109/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-677109/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 677170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	3005A	
480-210992-2	MW-3R	Total/NA	Water	3005A	
480-210992-3	MW-12	Total/NA	Water	3005A	
480-210992-4	MW-14N	Total/NA	Water	3005A	
480-210992-5	MW-5R	Total/NA	Water	3005A	
480-210992-6	LS-1	Total/NA	Water	3005A	
MB 480-677170/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-677170/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-210992-1 MS	MW-BR-1	Total/NA	Water	3005A	
480-210992-1 MSD	MW-BR-1	Total/NA	Water	3005A	

Analysis Batch: 677192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	7470A	677109
480-210992-2	MW-3R	Total/NA	Water	7470A	677109
480-210992-3	MW-12	Total/NA	Water	7470A	677109
480-210992-4	MW-14N	Total/NA	Water	7470A	677109
480-210992-5	MW-5R	Total/NA	Water	7470A	677109
480-210992-6	LS-1	Total/NA	Water	7470A	677109
MB 480-677109/1-A	Method Blank	Total/NA	Water	7470A	677109
LCS 480-677109/2-A	Lab Control Sample	Total/NA	Water	7470A	677109

Analysis Batch: 677394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	6010C	677170

Metals (Continued)

Analysis Batch: 677394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-2	MW-3R	Total/NA	Water	6010C	677170
480-210992-3	MW-12	Total/NA	Water	6010C	677170
480-210992-4	MW-14N	Total/NA	Water	6010C	677170
480-210992-5	MW-5R	Total/NA	Water	6010C	677170
480-210992-6	LS-1	Total/NA	Water	6010C	677170
MB 480-677170/1-A	Method Blank	Total/NA	Water	6010C	677170
LCS 480-677170/2-A	Lab Control Sample	Total/NA	Water	6010C	677170
480-210992-1 MS	MW-BR-1	Total/NA	Water	6010C	677170
480-210992-1 MSD	MW-BR-1	Total/NA	Water	6010C	677170

General Chemistry

Analysis Batch: 677008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	SM 3500 CR B	
480-210992-2	MW-3R	Total/NA	Water	SM 3500 CR B	
480-210992-3	MW-12	Total/NA	Water	SM 3500 CR B	
480-210992-4	MW-14N	Total/NA	Water	SM 3500 CR B	
480-210992-5	MW-5R	Total/NA	Water	SM 3500 CR B	
480-210992-6	LS-1	Total/NA	Water	SM 3500 CR B	
MB 480-677008/3	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 480-677008/4	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
480-210992-2 MS	MW-3R	Total/NA	Water	SM 3500 CR B	
480-210992-6 MS	LS-1	Total/NA	Water	SM 3500 CR B	
480-210992-1 DU	MW-BR-1	Total/NA	Water	SM 3500 CR B	
480-210992-6 DU	LS-1	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 677541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	SM 2540C	
480-210992-2	MW-3R	Total/NA	Water	SM 2540C	
480-210992-3	MW-12	Total/NA	Water	SM 2540C	
480-210992-4	MW-14N	Total/NA	Water	SM 2540C	
480-210992-5	MW-5R	Total/NA	Water	SM 2540C	
480-210992-6	LS-1	Total/NA	Water	SM 2540C	
MB 480-677541/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-677541/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 677662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	300.0	
480-210992-2	MW-3R	Total/NA	Water	300.0	
480-210992-3	MW-12	Total/NA	Water	300.0	
480-210992-4	MW-14N	Total/NA	Water	300.0	
480-210992-5	MW-5R	Total/NA	Water	300.0	
480-210992-6	LS-1	Total/NA	Water	300.0	
MB 480-677662/28	Method Blank	Total/NA	Water	300.0	
MB 480-677662/4	Method Blank	Total/NA	Water	300.0	
LCS 480-677662/29	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-677662/5	Lab Control Sample	Total/NA	Water	300.0	
480-210992-1 MS	MW-BR-1	Total/NA	Water	300.0	

QC Association Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

General Chemistry

Analysis Batch: 677668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	SM 5310C	
480-210992-2	MW-3R	Total/NA	Water	SM 5310C	
480-210992-3	MW-12	Total/NA	Water	SM 5310C	
480-210992-4	MW-14N	Total/NA	Water	SM 5310C	
480-210992-5	MW-5R	Total/NA	Water	SM 5310C	
480-210992-6	LS-1	Total/NA	Water	SM 5310C	
MB 480-677668/28	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-677668/29	Lab Control Sample	Total/NA	Water	SM 5310C	
480-210992-1 DU	MW-BR-1	Total/NA	Water	SM 5310C	

Analysis Batch: 677830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	410.4	
480-210992-2	MW-3R	Total/NA	Water	410.4	
MB 480-677830/28	Method Blank	Total/NA	Water	410.4	
MB 480-677830/52	Method Blank	Total/NA	Water	410.4	
LCS 480-677830/29	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-677830/53	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 678013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-3	MW-12	Total/NA	Water	410.4	
480-210992-4	MW-14N	Total/NA	Water	410.4	
480-210992-5	MW-5R	Total/NA	Water	410.4	
480-210992-6	LS-1	Total/NA	Water	410.4	
MB 480-678013/3	Method Blank	Total/NA	Water	410.4	
MB 480-678013/75	Method Blank	Total/NA	Water	410.4	
LCS 480-678013/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-678013/76	Lab Control Sample	Total/NA	Water	410.4	
480-210992-3 MS	MW-12	Total/NA	Water	410.4	

Field Service / Mobile Lab

Analysis Batch: 678915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-210992-1	MW-BR-1	Total/NA	Water	Field Sampling	
480-210992-2	MW-3R	Total/NA	Water	Field Sampling	
480-210992-3	MW-12	Total/NA	Water	Field Sampling	
480-210992-4	MW-14N	Total/NA	Water	Field Sampling	
480-210992-5	MW-5R	Total/NA	Water	Field Sampling	
480-210992-6	LS-1	Total/NA	Water	Field Sampling	

Client Sample ID: MW-BR-1

Lab Sample ID: 480-210992-1

Date Collected: 07/19/23 11:48

Matrix: Water

Date Received: 07/19/23 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 12:36
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 21:51
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:21
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/25/23 21:58
Total/NA	Analysis	410.4		1	677830	DLG	EET BUF	07/26/23 02:14
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 07:37
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 11:48

Client Sample ID: MW-3R

Lab Sample ID: 480-210992-2

Date Collected: 07/19/23 13:55

Matrix: Water

Date Received: 07/19/23 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 13:00
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 22:21
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:23
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/25/23 23:56
Total/NA	Analysis	410.4		1	677830	DLG	EET BUF	07/26/23 02:17
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 08:36
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 13:55

Client Sample ID: MW-12

Lab Sample ID: 480-210992-3

Date Collected: 07/19/23 11:37

Matrix: Water

Date Received: 07/19/23 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 13:24
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 22:25
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:24
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/26/23 00:16
Total/NA	Analysis	410.4		1	678013	DLG	EET BUF	07/27/23 14:12
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43

Lab Chronicle

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: MW-12

Date Collected: 07/19/23 11:37
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 09:05
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 11:37

Client Sample ID: MW-14N

Date Collected: 07/19/23 13:04
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 13:48
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 22:28
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:25
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/26/23 00:35
Total/NA	Analysis	410.4		1	678013	DLG	EET BUF	07/27/23 14:12
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 09:34
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 13:04

Client Sample ID: MW-5R

Date Collected: 07/19/23 12:46
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 14:13
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 22:32
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:27
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/26/23 00:55
Total/NA	Analysis	410.4		1	678013	DLG	EET BUF	07/27/23 14:12
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 10:03
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 12:46

Client Sample ID: LS-1

Date Collected: 07/19/23 14:13
Date Received: 07/19/23 15:15

Lab Sample ID: 480-210992-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 14:37

Lab Chronicle

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Client Sample ID: LS-1

Lab Sample ID: 480-210992-6

Date Collected: 07/19/23 14:13

Matrix: Water

Date Received: 07/19/23 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			677170	MP	EET BUF	07/21/23 08:33
Total/NA	Analysis	6010C		1	677394	LMH	EET BUF	07/21/23 22:36
Total/NA	Prep	7470A			677109	NVK	EET BUF	07/20/23 11:32
Total/NA	Analysis	7470A		1	677192	NVK	EET BUF	07/20/23 15:28
Total/NA	Analysis	300.0		5	677662	AF	EET BUF	07/26/23 01:14
Total/NA	Analysis	410.4		1	678013	DLG	EET BUF	07/27/23 14:12
Total/NA	Analysis	SM 2540C		1	677541	SAK	EET BUF	07/24/23 16:28
Total/NA	Analysis	SM 3500 CR B		1	677008	GW	EET BUF	07/19/23 15:43
Total/NA	Analysis	SM 5310C		1	677668	AF	EET BUF	07/25/23 10:32
Total/NA	Analysis	Field Sampling		1	678915	J1B	EET BUF	07/19/23 14:13

Client Sample ID: Trip Blank

Lab Sample ID: 480-210992-7

Date Collected: 07/19/23 00:00

Matrix: Water

Date Received: 07/19/23 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	677048	ZN	EET BUF	07/20/23 15:01

Laboratory References:

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

Accreditation/Certification Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
Field Sampling		Water	Field EH/ORP
Field Sampling		Water	pH, Field
Field Sampling		Water	Specific Conductance
Field Sampling		Water	Temperature, Field (C)
Field Sampling		Water	Turbidity, Field

Method Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
300.0	Anions, Ion Chromatography	EPA	EET BUF
410.4	COD	EPA	EET BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET BUF
SM 3500 CR B	Chromium, Hexavalent	SM	EET BUF
SM 5310C	TOC	SM	EET BUF
Field Sampling	Field Sampling	EPA	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

Client: LAN Associates Inc
Project/Site: Witmer Road G/W

Job ID: 480-210992-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-210992-1	MW-BR-1	Water	07/19/23 11:48	07/19/23 15:15
480-210992-2	MW-3R	Water	07/19/23 13:55	07/19/23 15:15
480-210992-3	MW-12	Water	07/19/23 11:37	07/19/23 15:15
480-210992-4	MW-14N	Water	07/19/23 13:04	07/19/23 15:15
480-210992-5	MW-5R	Water	07/19/23 12:46	07/19/23 15:15
480-210992-6	LS-1	Water	07/19/23 14:13	07/19/23 15:15
480-210992-7	Trip Blank	Water	07/19/23 00:00	07/19/23 15:15

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Grant Young	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-186036-34887.1
Client Contact: Gary Joiner	Phone: 585 298 0511	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: CC Metals and Alloys LLC	PWSID:			Job #:
Address: PO BOX 217	Due Date Requested:			
City: Calvert City	TAT Requested (days): STD.			
State, Zip: KY, 42029	Compliance Project: Δ Yes Δ No			
Phone: 904-343-3087(Tel) 904-824-0726(Fax)	PO #: Purchase Order not required			
Email: gjoiner@ccmetals.com	WO #:			
Project Name: Witmer Road G/W/ Event Desc: Witmer Road G/W	Project #: 48003429			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA

480-210992 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Br, Cl, SO4	410.4 - Chemical Oxygen Demand	6010C, 7470A	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)	5310C - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total	Special Instructions/Note:
			Preservation Code:				N	S	D	A	N	N	N	S	A		
MW-BR-1	7/19/2023	1148	G	Water	N	N	X	X	X	X	X	-	X	X	X	10	
MW-3R		1355		Water													
MW-12		1137		Water													
MW-14N		1304		Water													
MW-5R		1246		Water													
LS-1		1413		Water													
SW-1				Water												0	DRY - NO Sample.
Trip Blank	7/19/23			Water						(1)					(X)	2	
				Water													

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	7/19/2023 @ 1515	B+L			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 7/19/23 1515	Company

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

Cooler Temperature(s) °C and Other Remarks: 18.4 #1 ICE

Ver: 06/08/2021

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	**SAMPLE LOCATION:**	MW-BR1
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.023
Weather Conditions:	Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (fbTOR):	11.95	Sample Date:	7/19/23
Measured Well Depth (fbTOR):	35.95	Sample Time:	1148
Well Casing Diameter (inches):	2	Sampled By:	~~JBK~~/GJY
Calculated Volume in Well Casing (gal.):	3.84	Purge Method:	Peristaltic
Total Volume Purged (gal.):	12.0		
Depth to water when sampled (feet):	12.5		

X3 = 11.52 gal

Stabilization Criteria:

pH	± 0.1 unit
SP. Cond.	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Purge water stabilization readings: Pumping Rate: 300 ml/min Pressure (psi):

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1010	12.7	—	7.54	55.0	1603	1.85	—	88	clear/odorless
2	~~1027~~ TD	12.5	10.75	7.03	56.2	1285	2.21	—	-132	CLEAR/SULFUR
3	1132	12.5	11.0	7.5	56.1	1278	2.02	—	-137	CLEAR/SULFUR
4	1137	12.5	11.5	7.56	56.3	1268	1.99	—	-134	CLEAR/SULFUR
5	1142	12.5	11.75	7.52	56.1	1281	2.17	—	-126	CLEAR/SULFUR
6										
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1148	12.5	11.75	7.52	56.1	1281	2.17	—	-126	clear/sulfur odor
S2										NO Sediment

Samples Collected (Number/Type): Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS: 300 mL/min.

Rev. 05/13 (MJK)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	**SAMPLE LOCATION:**	MW-3R
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.023
Weather Conditions:	Sunny	Temperature:	80 - 5

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (fbTOR):	4.98	Sample Date:	7/19/23
Measured Well Depth (fbTOR):	11.94	Sample Time:	13.55
Well Casing Diameter (inches):	2	Sampled By:	~~JDH~~ GJY
Calculated Volume in Well Casing (gal.):	1.13	Purge Method:	Peristaltic
Total Volume Purged (gal.):	1.5		
Depth to water when sampled:	6.54		

Stabilization Criteria:

pH	± 0.1 unit
SP. Cond.	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Purge water stabilization readings: Pumping Rate: Pressure (psi):

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1332	4.98	—	8.65	63.4	1449	10.90	—	-27	clear / sulfur
2	1335	5.91	0.25	9.10	59.4	1411	4.78	—	-46	clear / sulfur
3	1338	6.18	0.50	9.08	59.8	1395	3.28	—	-45	clear / sulfur
4	1341	6.33	0.75	8.87	60.5	1346	2.91	—	3	clear / sulfur
5	1344	6.43	1.0	8.89	59.3	1323	2.52	—	15	clear / sulfur
6	1347	6.48	1.1	8.90	59.0	1308	2.76	—	19	clear / sulfur
7	1350	6.53	1.25	8.92	59.7	1298	2.64	—	25	clear / sulfur
8	1353	6.54	1.5	8.90	59.5	1300	2.34	—	27	clear / sulfur
9										
10										
11										
12										

Sample Information:

S1	1355	6.54	1.5	8.90	59.5	1300	2.34	—	27	clear / sulfur odor
S2										No Sediment

Samples Collected (Number/Type): Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS:

Rev. 05/13 (MJK)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-5R
CLIENT:	LAN Associates Inc	JOB #:	2341.001.023
Weather Conditions:	Sunny	Temperature:	70's

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (fbTOR):	7.52	Sample Date:	7/19/23
Measured Well Depth (fbTOR):	19.85	Sample Time:	1246
Well Casing Diameter (inches):	2	Sampled By:	~~JB~~ GJY
Calculated Volume in Well Casing (gal.):	2.0	Purge Method:	Peristaltic
Total Volume Purged (gal.):	2.25		
Depth to water when sampled:	16.66		

Stabilization Criteria:

pH	± 0.1 unit
SP. Cond.	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Purge water stabilization readings: Pumping Rate: 300 ml/min Pressure (psi):

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1217	8.02	-	8.58	54.5	950	5.14	—	120	clear/odorless
2	1225	11.65	0.75	8.90	56.4	949	3.83	—	121	clear/odorless
3	1230	13.12	1.0	9.03	56.6	945	3.86	—	113	
4	1233	14.24	1.25	9.00	58.2	947	3.67	—	98	
5	1236	15.02	1.5	9.07	56.5	946	4.42	—	83	
6	1239	15.67	1.75	9.11	56.3	948	3.97	—	77	
7	1242	16.30	2.0	9.12	56.1	952	4.45	—	72	
8	1245	16.66	2.25	9.10	56.6	957	4.20	—	67	
9										
10										
11										
12										

Sample Information:

S1	1246	16.66	2.25	9.10	56.6	957	4.20	—	67	clear/odorless
S2										No Sediment

Samples Collected (Number/Type): Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS:

Rev. 05/13 (MJK)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-12
CLIENT:	LAN Associates Inc	JOB #:	2341.001.023
Weather Conditions:	Sunny	Temperature:	70-s

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (fbTOR):	9.28	Sample Date:	2/19/2023
Measured Well Depth (fbTOR):	20.12	Sample Time:	1137
Well Casing Diameter (inches):	4	Sampled By:	~~JDK~~ GJY
Calculated Volume in Well Casing (gal.):	7.1	Purge Method:	Peristaltic
Total Volume Purged (gal.):	7.75		
Depth to water when sampled:	1137		

Stabilization Criteria:

pH	± 0.1 unit
SP. Cond.	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Purge water stabilization readings: Pumping Rate: Pressure (psi):

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1042	12.2	2.0	7.77	53.6	1314	6.57	—	145	Clear/odorless
2	1106	16.95	5.0	7.90	53.8	1317	7.13	—	111	clear/odorless
3	1115	18.31	6.5	8.12	54.5	1319	7.43	—	104	clear/odorless
4	1120	18.85	7.0	8.16	55.6	1310	7.19	—	86	Clear/odorless
5	1125	19.28	7.25	8.15	55.5	1308	10.6	—	89	Clear-Sl. Haze
6	1130	19.56	7.5	8.10	56.7	1309	13.10	—	83	Sl. Haze/odorless
7	1135	19.70	7.75	8.08	56.3	1307	10.40	—	77	Sl. Haze/No odor
8										
9										
10										
11										
12										

Sample Information:

S1	1137	19.70	7.75	8.08	56.3	1307	10.40	—	77	Clear/No odor
S2										No Fines

Samples Collected (Number/Type): Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS:

Rev. 05/13 (MJK)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-14N
CLIENT:	LAN Associates Inc	JOB #:	2341.001.023
Weather Conditions:	P. CLOUDY	Temperature:	76°F

SAMPLE TYPE: Groundwater [X] Surface Water [ ] Other (specify): ____
Sediment [ ] Leachate [ ]

WATER LEVEL DATA

Static Water Level (fbTOR):	9.35	Sample Date:	7/19/23
Measured Well Depth (fbTOR):	20.43	Sample Time:	1304
Well Casing Diameter (inches):	2	Sampled By:	JDK/GJY
Calculated Volume in Well Casing (gal.):	1.81	Purge Method:	Peristaltic
Total Volume Purged (gal.):	4-25		
Depth to water when sampled:	9.5		

x3 = 5.42

Stabilization Criteria:

pH	± 0.1 unit
SP. Cond.	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Purge water stabilization readings: Pumping Rate: Pressure (psi):

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1227	9.4	—	6.94	57	1465	15.4	—	-1	CLEAR/ODORLESS
2	1244	9.6	2.5	7.79	56.6	1470	5.88	—	-12	CLEAR/ODORLESS
3	1249	9.5	3	7.51	56.8	1490	5.65	—	-13	CLEAR/ODORLESS
4	1254	9.5	3.5	7.53	59.4	1490	5.68	—	-21	CLEAR/ODORLESS
5	1259	9.5	4	7.53	57.2	1488	6.40	—	-16	CLEAR/ODORLESS
6										
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1259	9.5	4	7.53	57.2	1488	6.40	-	-16	CLEAR/ODORLESS
S2										

Samples Collected (Number/Type): Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS: @350 mL/min

Rev. 05/13 (MJK)

FIELD SAMPLING DATA SHEET

Barton & Loguidice

SITE:	CCMA - Witmer Rd	**SAMPLE LOCATION:**	SW-1
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.023
Weather Conditions:		Temperature:	

SAMPLE TYPE: Groundwater ☐ Surface Water ☒ Other (specify): _____
Sediment ☐ Leachate ☐

WATER LEVEL DATA

Static Water Level (feet)*:	
Measured Well Depth (feet)*:	
Well Casing Diameter (inches):	
Calculated Volume in Well Casing (gallons):	

*depth from measuring point

Measuring Point: _____
Measured by: _____
Date: _____
Time: _____

PURGING METHOD

Equipment: Bailer ☐ Submersible Pump ☐ Air Lift System ☐
Non-dedicated ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Bladder Pump ☐ Grab ☐

Calculated Volume Of Water To Be Purged (gallons): _____
Actual Volume of Water Purged (gallons): _____
Did well purge dry? No ☐ Yes ☐
Did well recover? No ☐ Yes ☐ Recovery Time: _____

SAMPLING METHOD

Equipment: Bailer ☐ Submersible Pump ☐ Air Lift System ☐
Non-dedicated ☐ Foot Valve ☐ Peristaltic Pump ☐
Dedicated ☐ Bladder Pump ☐ Sample Bottle ☒

Sampled by: JDK/GJY Time: _____ Date: _____

SAMPLING DATA

Sample Appearance
Color: _____ Sediment: _____
Odor: _____

Field Measured Parameters

pH (Standard Units)		Sp. Conductivity (umhos/cm)	
Temperature (F)		Eh-Redox Potential (mV)	
Turbidity (NTU)		Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):
Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Time: _____ Date: _____

COMMENTS:
Sample location DRY - NO flow/water - NO Sample

Rev. 3/14 (MPS)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	**SAMPLE LOCATION:**	LS-1
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.023
Weather Conditions:	Sunny	Temperature:	80's

SAMPLE TYPE: Groundwater ☐ Surface Water ☐ Other (specify): ____
Sediment ☐ Leachate ☒

WATER LEVEL DATA

Static Water Level (feet)*:	
Measured Well Depth (feet)*:	
Well Casing Diameter (inches):	
Calculated Volume in Well Casing (gallons):	

*depth from measuring point

Measuring Point: ____
Measured by: ____
Date: ____
Time: ____

PURGING METHOD

Equipment:						
	Bailer	☐	Submersible Pump	☐	Air Lift System	☐
	Non-dedicated	☐	Foot Valve	☐	Peristaltic Pump	☐
	Dedicated	☐	Bladder Pump	☐	Grab	☐

Calculated Volume Of Water To Be Purged (gallons): ____
Actual Volume of Water Purged (gallons): ____

Did well purge dry?	No	☐	Yes	☐	
Did well recover?	No	☐	Yes	☐	Recovery Time: ____

SAMPLING METHOD

Equipment:						
	Bailer	☒	Submersible Pump	☐	Air Lift System	☐
	Non-dedicated	☐	Foot Valve	☐	Peristaltic Pump	☐
	Dedicated	☒	Bladder Pump	☐	Sample Bottle	☐

Sampled by: ~~JDK~~/GJY Time: 1413 Date: 7/19/23

SAMPLING DATA

Sample Appearance
Color: clear Sediment: Settable Solids
Odor: None

Field Measured Parameters

pH (Standard Units)	9.13	Sp. Conductivity (umhos/cm)	1297
Temperature (F)	62.9	Eh-Redox Potential (mV)	126
Turbidity (NTU)	2.76	Dissolved Oxygen (mg/L)	

Samples Collected (Number/Type):
Site specific parameters- 10 Bottles

Samples Delivered to: Eurofins Test America Time: ____ Date: ____

COMMENTS: Installed New bailer + string, client requested new bailer + New String each time sampling

Rev. 3/14 (MPS)

Barton & Loguidice

Calibration Record

Project No: 2341 001.023 Date: 7/19/23

Calibrated By: TJB Time: 0945

pH Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
pH 4:	4.19 →	4.00	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	7.01 →	7.00	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	9.90 →	10.00	(+/- 1.0 pH, ph 9.0 - 11.0)

Sp.Conductivity Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
7000 uS	7014 →	7000	(+/- 1.0 % Error)

ORP Instrument Model: Myron 6P

Standard Solution	Calibration Reading	Acceptable Range
		Myron 6p ORP calibration is calculated by pH and SPC values

Turbidimeter Model: Lamotte 2020t

Standard Solution	Calibration Reading	Acceptable Range
0.0	Blank	Blank 0.0 NTU
1.0	0.56 → 0.85	(0.5-1.5 NTU)
10.0	10.7 → 10.0	(8-12 NTU)

Dissolved Oxygen Meter Model: YSI EcoSense

Saturated Air	Air Pressure (MB)	Calibration Reading	Acceptable Range
100%			(+/- 5.0% Error, 95-105%)

Comments

Calibration Record

Project No: 2341.001.023 Date: 7/19/23

Calibrated By: GJY Time: 0945

pH Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
pH 4:	4.12 →	4.00	(+/- 1.0 pH, pH 3.0 - 5.0) ✓
pH 7:	6.65 →	7.00	(+/- 1.5 pH, pH 5.5 - 8.5) ✓
pH 10:	10.10 →	10.00	(+/- 1.0 pH, ph 9.0 - 11.0) ✓

Sp.Conductivity
Instrument Model: Myron 6P

Standard Solution		Calibration Reading	Acceptable Range
7000 uS	7013 →	7000	(+/- 1.0 % Error) ✓

ORP Instrument Model: Myron 6P

Standard Solution	Calibration Reading	Acceptable Range
		Myron 6p ORP calibration is calculated by pH and SPC values

Turbidimeter Model: Lamotte 2020t

Standard Solution		Calibration Reading	Acceptable Range
0.0		Blank	Blank 0.0 NTU ✓
1.0	1.45 →	1.00	(0.5-1.5 NTU) ✓
10.0	10.02 →	10.00	(8-12 NTU) ✓

~~**Dissolved Oxygen Meter Model: YSI EcoSense**~~

~~Saturated Air~~	~~Air Pressure (MB)~~	~~Calibration Reading~~	~~Acceptable Range~~
~~100%~~			~~(+/- 5.0% Error, 95-105%)~~

Comments

Updated: 010410 MPS

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

Chain of Custody Record

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Client Information

Client Contact: Gary Joiner
Company: CC Metals and Alloys LLC
Address: PO BOX 217
City: Calvert City
State, Zip: KY, 42029
Phone: 904-343-3087(Tel) 904-824-0726(Fax)
Email: gjoiner@ccmetals.com
Project Name: Witmer Road G/W/ Event Desc: Witmer Road G/W
Site:

Sampler: Grant Young
Phone: 585 298 0511
PWSID:

Due Date Requested:
TAT Requested (days): STD.
Compliance Project: Δ Yes Δ No
PO #: Purchase Order not required
WO #:
Project #: 48003429
SSOW#:

Lab PM: Fischer, Brian J
E-Mail: Brian.Fischer@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-186036-34887.1
Page: Page 1 of 1
Job #:

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Br, Cl, SO4	410.4 - Chemical Oxygen Demand	6010C, 7470A	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)	5310C - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	S	D	A	N	N	N	S	A			
MW-BR-1	7/19/2023	1148	G	Water	N	N	X	X	X	X	X	-	X	X	X	10	
MW-3R		1355		Water													
MW-12		1137		Water													
MW-14N		1304		Water													
MW-5R		1246		Water													
LS-1		1413		Water													
SW-1				Water												2	DRY - NO Sample.
Trip Blank	7/19/23			Water					(1)					(X)			
				Water													

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

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

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Grant Young	7/19/2023 @ 1515	B+L	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:	7/19/23 1515	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: LAN Associates Inc

Job Number: 480-210992-1

Login Number: 210992
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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

APPENDIX B

DATA GRAPHS AND TRENDS

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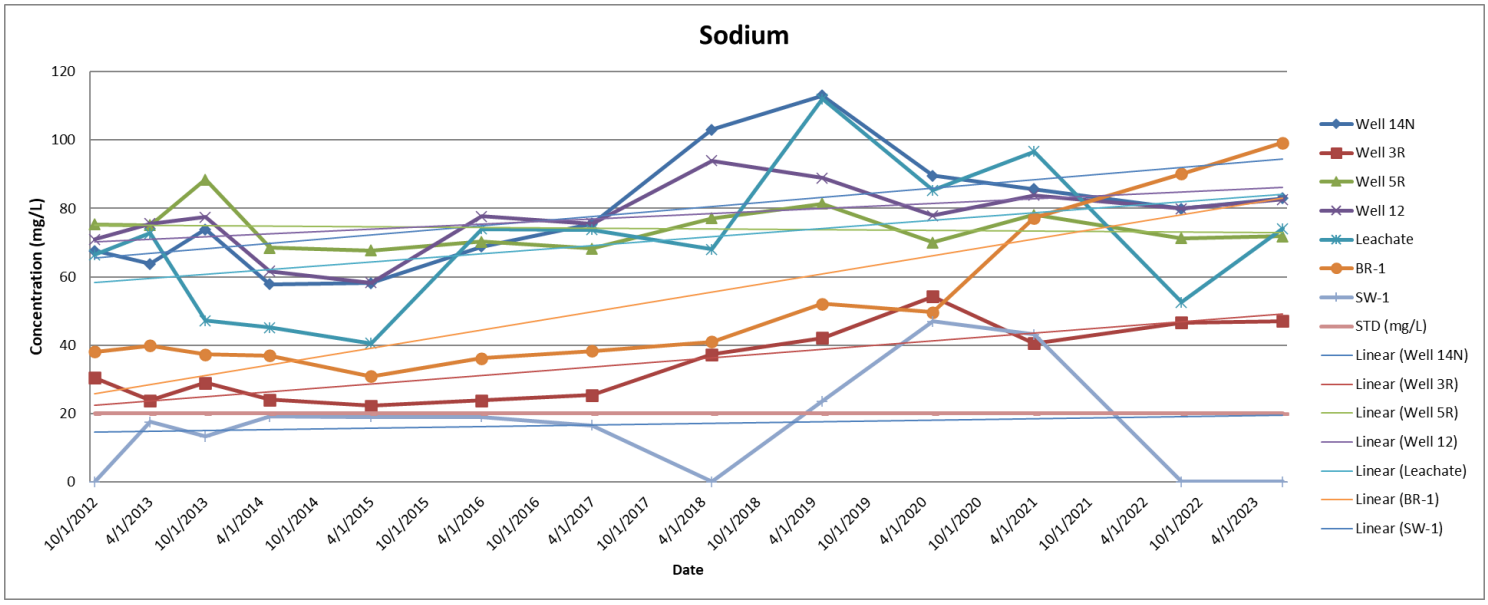
Appendix B

Sodium Trend Analysis

Sodium (mg/L)								
Date	**Well 14N**	**Well 3R**	**Well 5R**	**Well 12**	**Leachate**	**BR-1**	**SW-1**	**STD***
10/18/2012	**67.6**	**30.5**	**75.3**	**70.9**	**66.5**	**38.1**	DRY	20
4/26/2013	**63.8**	**23.8**	**75.1**	**75.5**	**72.8**	**39.9**	17.5	20.0
10/25/2013	**73.9**	**29.0**	**88.5**	**77.5**	**47.2**	**37.3**	13.3	20.0
5/13/2014	**57.8**	**24.1**	**68.5**	**61.6**	**45.1**	**37.0**	19.1	20.0
4/23/2015	**58.2**	**22.2**	**67.7**	**58.3**	**40.6**	**30.9**	19	20.0
4/28/2016	**68.8**	**23.8**	**70.3**	**77.7**	**74.0**	**36.2**	19	20.0
4/27/2017	**75.6**	**25.4**	**68.3**	**75.6**	**73.7**	**38.3**	16.5	20.0
5/11/2018	**103**	**37.3**	**77.1**	**94**	**68**	**41**	DRY	20.0
5/9/2019	**113**	**42.1**	**81.4**	**88.9**	**112**	**52.1**	**23.6**	20.0
5/19/2020	**89.6**	**54.2**	**70.0**	**77.9**	**85.3**	**49.6**	**46.9**	20.0
4/9/2021	**85.6**	**40.6**	**78.1**	**83.8**	**96.6**	**77.2**	**43.1**	20.0
8/23/2022	**79.9**	**46.6**	**71.3**	**79.9**	**52.5**	**90.1**	DRY	20.0
7/19/2023	**83.0**	**47.1**	**71.9**	**82.6**	**74.1**	**99.2**	DRY	20.0

* Class GA Standard



Dates in graphs are not actual sampling dates. They represent periods over time.

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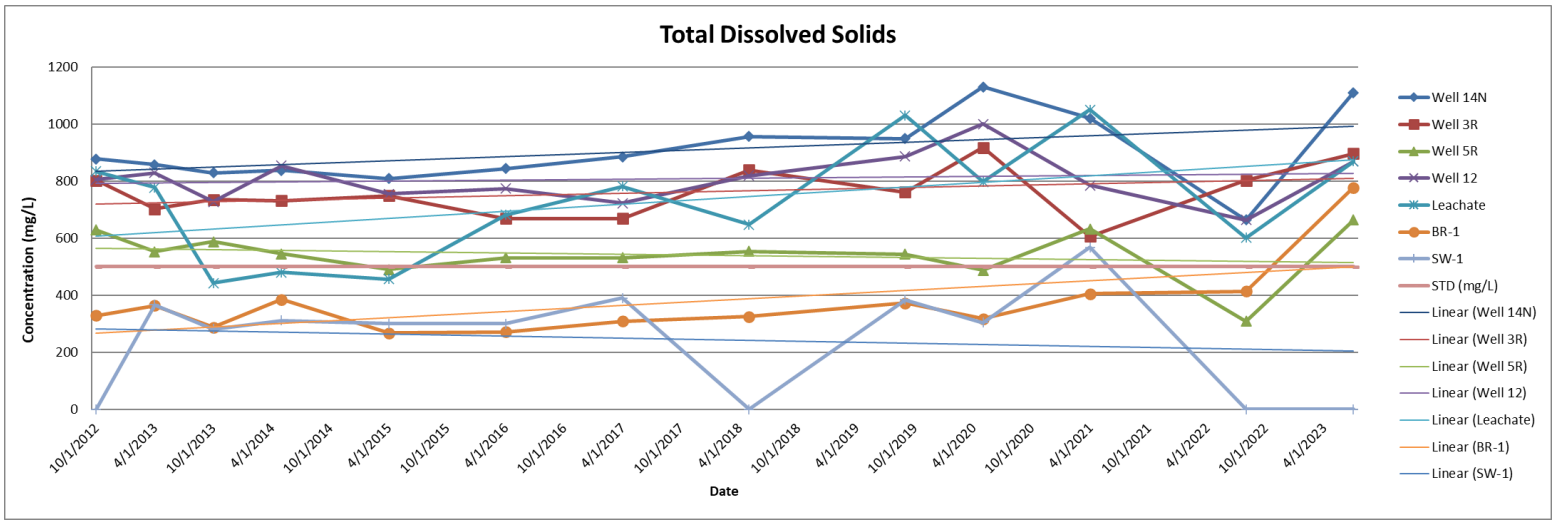
Total Dissolved Solids Trend Analysis

Total Dissolved Solids (mg/L)								
Date	**Well 14N**	**Well 3R**	**Well 5R**	**Well 12**	**Leachate**	**BR-1**	**SW-1**	**STD***
10/18/2012	**877**	**802**	**629**	**805**	**834.0**	329	DRY	500
4/26/2013	**857**	**702**	**552**	**829**	**778**	364	366	500
10/25/2013	**829**	**735**	**587**	**727**	443	288	281	500
5/13/2014	**837**	**731**	**545**	**854**	480	385	311	500
4/23/2015	**809**	**749**	490	**755**	456	267	300	500
4/28/2016	**844**	**669**	**531**	**774**	**681**	271	300	500
4/27/2017	**885**	**669**	**531**	**723**	**781**	309	390	500
5/11/2018	**956**	**838**	**554**	**818**	**648**	325	DRY	500
9/17/2019	**948**	**761**	**544**	**886**	**1030**	372	384	500
5/19/2020	**1130**	**917**	487	**1000**	**797**	318	304	500
4/9/2021	**1020**	**606**	**633**	**785**	**1050**	405	**567**	500
8/23/2022	**664**	**803**	309	**664**	**601**	414	DRY	500
7/19/2023	**1110**	**896**	**664**	**869**	**869**	**777**	DRY	500

* Class GA Standard



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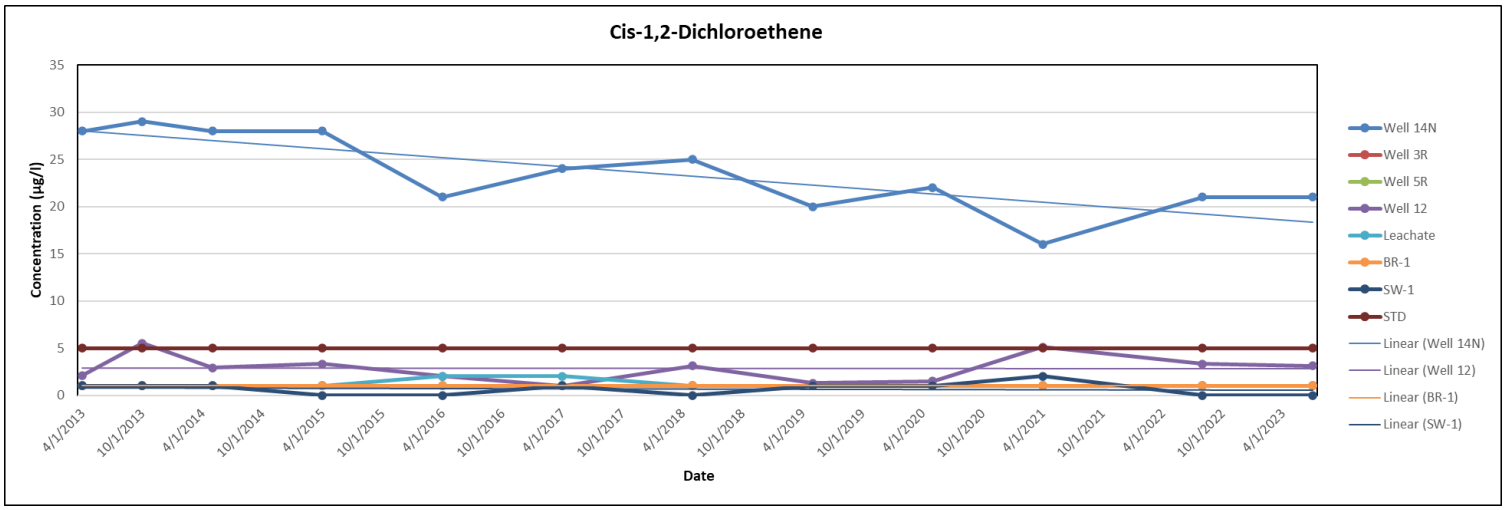
Appendix B

cis-1, 2-Dichloroethene Trend Analysis

cis -1,2 - Dichloroethene (µg/L)								
Date	**Well 14N**	**Well 3R**	**Well 5R**	**Well 12**	**Leachate**	**BR-1**	**SW-1**	**STD***
4/26/2013	**28**	1.0	1.0	2.1	1.0	1.0	1.0	5.0
10/25/201	**29**	1.0	1.0	**5.5**	1.0	1.0	1.0	5.0
5/13/2014	**28**	1.0	1.0	2.9	1.0	1.0	1.0	5.0
4/23/2015	**28**	1.0	1.0	3.3	1.0	1.0	1.0	5.0
4/28/2016	**21**	1.0	1.0	2.0	1.0	1.0	1.0	5.0
4/27/2017	**24**	1.0	1.0	1.0	1.0	1.0	1.0	5.0
5/11/2018	**25**	1.0	1.0	1.0	1.0	1.0	1.0	5.0
9/17/2019	**20**	1.0	1.0	1.0	1.0	1.0	1.0	5.0
5/19/2020	**22**	1.0	1	1.5	1.0	1.0	1.0	5.0
4/9/2021	**16.0**	1.0	1.0	**5.1**	1.0	1.0	2.0	5.0
8/23/2022	**21**	1.0	1.0	3.3	1.0	1.0	DRY	5.0
7/19/2023	**21**	1.0	1.0	3.1	1.0	1.0	DRY	5.0

* Class GA Standard



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