2021 ANNUAL REPORT

CC Metals and Alloys, LLC
Witmer Road
Niagara, New York

Submitted to:

New York State Department of
Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

November 10, 2021

Prepared by:

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

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LAN Ref # 2.3643.17.03
November 10, 2021

LAN ASSOCIATES, INC.
ENVIRONMENTAL CONSULTING
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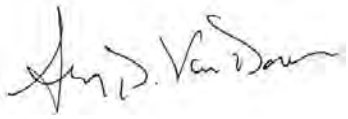
CC Metals and Alloys, LLC
Witmer Road Property
Town of Niagara, NY

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.



Guy D. Van Doren, P.E.

Date: November 10, 2021

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CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
LAN Ref. #2.3643-17-03

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• ENVIRONMENTAL CONSULTING
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2021 ANNUAL REPORT
CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
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1.0 INTRODUCTION

The following is the 2021 Annual Report for Calvert City Metals and Alloys, LLC (CCMA) landfill Cells 1 and 2. LAN Associates, Inc. (LAN) has been retained by CCMA to conduct all post-closure activities for this site. The facility is located on an approximately 23-acre site adjacent to Witmer Road in the Town of Niagara, NY. Waste stored in Cell 1 includes ferrosilicon and ferrochromium metal baghouse dusts, and waste stored in Cell 2 contains ferroalloy dust. A Site Plan depicting the topography and site features related to the landfill is included as Figure 1.

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

The following report has been written to satisfy 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. The appropriate information pertaining to the requirements set forth within Title 6 NYCRR, Part 360 has been included in this summary report.

2.0 LANDFILL CAPACITY

As stated above, both Cells 1 and 2 are currently closed. Cell 1 was closed in 1990, and Cell 2 in 1992. Based on all known information, the amount of waste in place for each cell is as follows: Cell 1 holds a volume of approximately 90,000 yd^3 of material, and Cell 2 holds a volume of 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.

3.0 POST-CLOSURE REQUIREMENTS

Post-closure requirements for the site entail a number of tasks carried out on an annual basis to ensure that the long-term integrity of the landfill is maintained. The following tasks are included in the post-closure care activities:

- Groundwater and surface water monitoring is conducted by certified environmental laboratory, TestAmerica, on an annual basis to evaluate any effects of the landfill on water quality,
- Cover maintenance including mowing and tree and shrub removal is conducted at least once per year between September 1 and December 31,
- Site security and signage is maintained,
- An annual inspection is performed to evaluate the environmental integrity of the landfill and the surrounding site,
- Reporting to the applicable state agencies and vested parties for all on-site activities and annual requirements is upheld,
- Updated engineering may also be needed and applied.

4.0 GROUNDWATER AND SURFACE WATER QUALITY

4.1 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 both the site's groundwater and surface water. A series of five monitoring wells are utilized to monitor the quality of groundwater contained in the permeable sediments overlying the bedrock.

Monitoring wells MW-3R, MW-5R, MW-12, MW-BR1, and MW-14N are shown on Figure 1. Based on the site's previously noted groundwater flow direction (southerly), monitoring well 3R is used to provide upgradient data, while monitoring wells 5R, 12, BR1, and 14N provide data on groundwater quality downgradient of the site's disposal areas (Cells 1 and 2).

Cell 1 was closed to all waste materials 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. However, as a precaution surface water samples are taken at the southwest corner of the site, where surface water collects and flows into the stormwater drainage pipe and then offsite to the City of Niagara Falls combined sewer system (sample location SW-1).

Surface water quality is monitored using samples obtained from the site's drainage retention swale (SW-1). Additionally, samples are collected from the landfill leachate sump (LS-1).

4.2 WATER QUALITY SAMPLING

Groundwater and surface water analytical samples were collected by Barton & Loguidice (B&L) and analyzed by TestAmerica Laboratories, Inc. (TestAmerica). Historically, samples have been collected on a semi-annual basis. However, LAN submitted a *Request for Modification of Groundwater Sampling Plan* to the NYSDEC dated October 2013, which requested a change from semi-annual to annual sampling. This request was based on a thorough statistical analysis of historic water quality data collected to that time. In a letter dated March 2014 from the NYSDEC, the requested modification to annual sampling was approved. Samples are now analyzed on an annual basis for routine parameters including: specific conductivity, temperature, pH, Eh, turbidity, COD, TOC, TDS, SO4, Cl, Br, Pb, Mn, K, and Na. Additionally, baseline parameters are analyzed including; As, Ba, Cr, Cr+6, Hg, Se, and B. Samples are also tested for Volatile Organic Compounds (VOCs) as required 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 Disolved Solids (TDS) via Method SM 2540C, Hexavalent Chromium-Cr (VI) via Method SM 3500 CR B, and Total Organic Carbon (TOC) via Method SM 5310D. Field parameters such as water temperature, pH, specific conductance, turbidity and ORP were measured by the B&L field personnel during the well sampling.

Overall, there have been no significant changes in water quality during the past year. Historically, constituents of concern (COC) detected in the groundwater above standards included: sodium, TDS, and cis-1, 2-Dichloroethene (well 14N), vinyl chloride and arsenic. As noted, cis-1, 2- Dichloroethene detected in MW-14N remains above water quality standards but is overall trending down. MW-14N, MW-12 and BR-1 showed vinyl chloride above the 2.0 ug/l standard. Sodium was detected above the water quality standards in all of the samples and is slightly trending up. TDS was reported above the standards in MW-3R, MW-5R, MW-12, MW-14N, SW-1 and the sump leachate, and is generally consistent over time. Samples from MW-12, SW-1, and the sump leachate all exceeded the turbidity standard of 5 NTUs. Hexavalent Chromium concentration was reported above the standard of 0.05 mg/l in the sump leachate and MW-3R. A summary of groundwater quality data for the past year, as well as historic analytical data inclusive of the previous 8 monitoring events, is provided in Table 1.

Groundwater elevation data collected during the sampling event was used to calculate flow direction. The groundwater at the site flows in the south-westerly direction which is consistent with recorded historic groundwater flow patterns (southerly). This data is included in the 2021 Groundwater Monitoring Report and is depicted on Figure 2 –

Groundwater Flow Direction.

The 2021 Annual Groundwater Monitoring Report was submitted to the New York Department of Environmental Conservation (NYSDEC) on April 30, 2021. This report interprets and summarizes the groundwater analytical data from the sampling conducted in April 2021. A copy of this report is included as Appendix A.

5.0 ENVIRONMENTAL MONITORING

LAN is also responsible for conducting and filing a Waste Management Facility Maintenance Inspection Report. The inspection report consists of a checklist, which covers the following annual evaluation:

- Bank and cover erosion,
- Settlement,
- Cover soil integrity,
- Condition of vegetative cover,
- Condition of monitoring wells,
- Site security.

If items are encountered during the inspections that are of significant environmental concern, necessary corrective actions are undertaken as expeditiously as possible. Notices of these actions, if necessary, are reported to the NYSDEC explaining the nature and location of the problem and the corrective action taken.

On October 22, 2021, the required annual inspection was conducted by Chris Callegari of LAN. A letter detailing the 2021 site inspection with updated site plan, inspection checklist and photographic documentation is included as Appendix B. The following is a synopsis of the findings of the inspection.

Cover

- The landfill was mowed prior to the inspection.
- There was no erosion or subsidence of the landfill cover system.
- Vegetative cover is in good overall condition.
- No seeps were identified in the landfill cover system.

Wells

- The monitoring wells were inspected. Most are in good condition.
- Monitoring well BR-1 has a broken/cracked well pad/surface seal.
- The drainage flow control valve is not functioning, but is unnecessary.
- Landfill sump 1 was inspected and is in generally good condition.

Surface Water Drainage

- The drainage for the overall site is in good condition. No unusual subsidence or erosion was noted.

- Overall function is hindered by vegetative cattail growth in stormwater drainage swales.
- Piping, manhole, vents and drains are in fair condition.

Property

- Fencing and barbed wire is in good condition.
- Climbing vegetation is beginning to grow on the fence.

Recommended Actions

- Repair MW BR-1 well pad/surface seal.
- Remove all trees growing in landfill cells.
- Bushhog/mow cattails.
- Remove overhanging limbs from willow tree hanging over the fence.
- Remove fallen willow tree.
- Apply herbicide along/on fence.

6.0 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 adjacent to Witmer Road consists of two inactive cells containing ferrosilicon, ferrochromium, and ferroalloy dust. Cell 1 was closed in 1990 and Cell 2 was closed in 1992. All post-closure monitoring, maintenance, and reporting activities are conducted throughout the year and submitted to the NYSDEC and other applicable state agencies, as required. All required post-closure activities for the 2021 year have been conducted. The site is in overall good condition. The corrective actions recommended from the annual site inspection are proposed to take place in August/September 2022. Annual mowing and groundwater sampling/analysis are planned to be completed at the same time period, August/September 2022. Continued annual post-closure monitoring, inspections and reporting will be conducted to ensure the landfill is functioning as designed and does not pose a threat to humans and/or the environment.

Figure 1

Site Plan

LEGEND:

- Monitoring Well
- Surface Water Sample
- Sump Sample

CELL 1

CELL 2

PROPERTY SUBDIVISION LINE

WITMER ROAD

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: 11/02/2020
Rev: 11/03/2021
Checked: GVD
Drawn: NWP
Scale 1"-150'

SITE PLAN

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

LAN ASSOCIATES, INC.
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FIGURE: 1

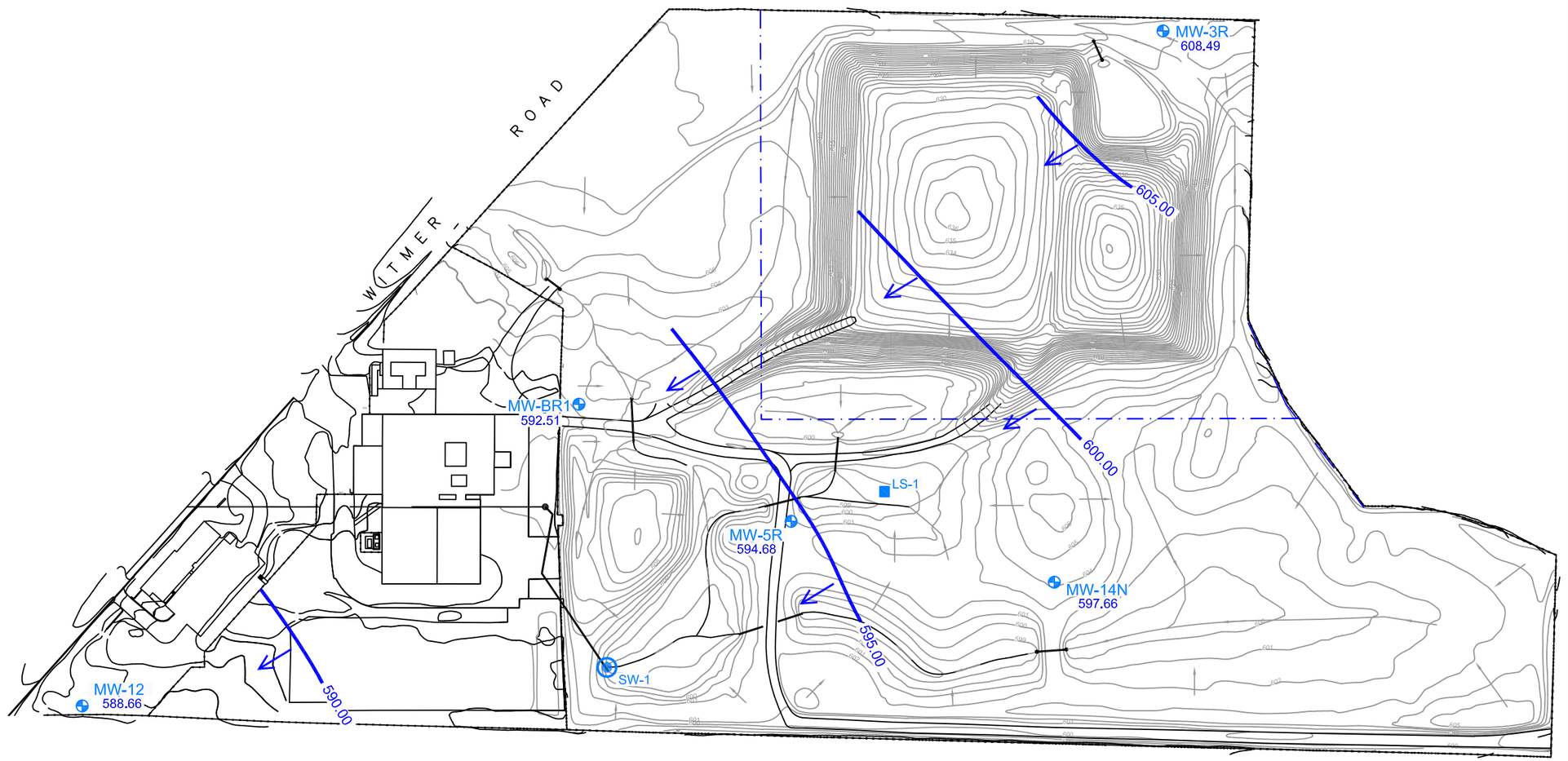
JOB NO. 2.3643.17.02

Figure 2

Groundwater Contour Map 4/9/2021

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



SCALE
0 90 180
(IN FEET)

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GROUNDWATER FLOW DIRECTION - APRIL 9, 2021

Figure: 2

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

Job No.:
3643-17-03

CREATION DATE: 04/29/21

Table 1

Groundwater Monitoring Analytical Summary

LAN Associates, Inc.
ENVIRONMENTAL CONSULTING
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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 14N																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	7.12		8.13		6.83		6.81		7.11		6.47		6.89		6.19		6.90		7.86	
WATER ELEVATION	-	Feet	598.40		597.39		598.69		598.71		598.41		599.05		598.63		599.33		598.62		597.66	
WELL BOTTOM	-	Feet	26.35		26.35		26.35		26.35		26.50		26.5		26.5		26.5		26.5		26.5	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.11		0.12		0.11		0.11		0.12		0.12		0.14		0.14		0.13	^	0.12	
BORON, (TOTAL)	*1*	mg/l	0.11		0.13		0.12		0.11		0.11		0.11		0.12		0.10		0.11		0.11	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	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	
CHLORIDE	-	mg/l	117		109		92		110.0		132.0		151.0		175.0		150.0		150		135	
CHROMIUM	*0.05*	mg/l	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
Eh	-	M.Volts	175		168		74		132		67		242		36		40		33		9	
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	0.013		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.08		0.120		0.07		0.130		0.090		0.077		0.13		0.13		0.17		0.15	
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
PH	*between 6.5 to 8.5*	S.U	6.99		7.01		6.87		7.01		6.98		7.06		7.26		7.26		7.18		7.04	
POTASSIUM	-	mg/l	2.5		3.0		2.4		2.4		2.6		2.6		3.0		3.5		2.5		2.7	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**63.8**		**73.9**		**57.8**		**58.2**		**68.8**		**75.6**		**103**		**113**		**89.6**		**85.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1139		1181		1163		1201		1368		1427		1589		1486		1531		1503	
SULFATE	*250*	mg/l	175		171		168		162		160		141		237		250		244		230	
TEMPERATURE	-	^{o}F	52.16		54.68		58.28		47.48		50.18		52.16		53.24		52.34		52.3		53.4	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**857**		**829**		**837**		**809**		**844**		**885**		**956**		**948**		**1130**		**1020**	
TOTAL ORGANIC CARBON	-	mg/l	2.6		2.3		3.1		2.5		2.0		2.5		2.4		3.1		3.2		3.4	
TURBIDITY	*not exceed 5*	N.T.U	1.93		5.11		2.51		1.93		2.48		1.83		2.3		3.4		**15.1**		0.76	

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
cis-1,2-Dichloroethene	*5*	ug/l	**28**		**29**		**28**		**28**		**21**		**24**		**25**		**20**		**22**		**16.0**	
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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**	

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 3R																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	2.09		3.55		1.65		1.93		2.12		1.58		2.06		1.63		2.25		3.38	
WATER ELEVATION	-	Feet	609.78		608.32		610.22		609.94		609.75		610.29		609.81		610.24		609.26		608.49	
WELL BOTTOM	-	Feet	12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.028		0.034		0.028		0.025		0.027		0.028		0.032		0.027		0.034	^	0.029	
BORON, (TOTAL)	*1*	mg/l	0.16		0.20		0.16		0.14		0.15		0.14		0.14		0.12		0.12		0.14	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	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	
CHLORIDE	-	mg/l	35.9		37.9		35.9		37.1		47.8		50.6		108		86		101		126	
CHROMIUM	*0.05*	mg/l	0.0052		0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0091		0.0055		0.01		0.0065		0.24	
Eh	-	M.Volts	112		148		168		131		158		260		92.0		112.0		111		142	
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	0.024		**0.22**	
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	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
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	0.02000	U	0.0002	U	0.0002	U
PH	*between 6.5 to 8.5*	S.U	6.99		6.89		6.96		6.85		6.51		7.39		7.70		7.25		7.38		7.56	
POTASSIUM	-	mg/l	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	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**23.8**		**29.0**		**24.1**		**22.2**		**23.8**		**25.4**		**37.3**		**42.1**		**54.2**		**40.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	999		1069		1055		1177		1131		1125		1322		1195		1324		997	
SULFATE	*250*	mg/l	155		154		147		147		148		141		190		180		207		318	
TEMPERATURE	-	oF	49.46		56.32		57.02		42.98		48.38		53.6		52		50.36		51.2		49.4	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**702**		**735**		**731**		**749**		**669**		**669**		**838**		**761**		**917**		**606**	
TOTAL ORGANIC CARBON	-	mg/l	2.9		2.8		5.0		2.6		1.9		2.1		1.9		2.4		3.0		3.4	
TURBIDITY	not exceed 5	N.T.U	1.87		3.56		0.92		1.07		1.82		1.55		1.5		2.3		1.04		0.95	

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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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Well 5R																						
SAMPLE DATE	-	NA	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	
TOP OF CASING ELEVATION	-	Feet	601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601	
DEPTH TO WATER	-	Feet	5.07		6.35		5.51		5.44		6.74		5.25		5.51		4.98		5.46		6.32	
WATER ELEVATION	-	Feet	596.25		596.25		596.25		596.23		594.93		596.42		596.16		596.69		596.21		594.68	
WELL BOTTOM	-	Feet	19.75		19.75		19.75		19.74		19.74		19.74		19.74		19.74		19.74		19.74	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.064		0.063		0.053		0.043		0.056		0.049		0.055		0.054		0.067	^	0.094	
BORON, (TOTAL)	*1*	mg/l	0.18		0.20		0.18		0.18		0.17		0.17		0.19		0.17		0.17		0.19	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	15.8		25.7		27.1		12.8		10.0		10.0	U	19.3		14.9		14.8		33.4	
CHLORIDE	-	mg/l	94.9		94.7		80.6		92.8		85.6		82.7		84.7		82		84.0		94.6	
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	0.0100	U	0.0040	U	0.0040	U
Eh	-	M.Volts	120		144		135		110		115		218		80		169		96.0		7.0	
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	0.016		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.010		0.370		0.01		0.0160		0.0190		0.0039		0.018		0.03		0.091		**0.3**	
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
PH	*between 6.5 to 8.5*	S.U	7.86		7.70		7.85		7.87		7.78		7.92		8.22		8.22		7.91		8.05	
POTASSIUM	-	mg/l	25.8		24.3		20.8		18.5		20.1		18.8		20.3		21.5		21.7		22.6	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**75.1**		**88.5**		**68.5**		**67.7**		**70.3**		**68.3**		**77.1**		**81.4**		**70.0**		**78.1**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	818		857		825		851		886		861		920		882		905.8		1025	
SULFATE	*250*	mg/l	178		183		157		157		164		167		182		180		159		166	
TEMPERATURE	-	°F	50.36		53.96		56.12		44.96		48.20		51.26		50.2		51.26		49.8		54.1	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**552**		**587**		**545**		490		**531**		**531**		**554**		**544**		487		**633**	
TOTAL ORGANIC CARBON	-	mg/l	5.1		6.4		5.8		5.4		4.5		4.6		4.9		5.7		6.2		5.9	
TURBIDITY	*not exceed 5*	N.T.U	2.71		2.91		2.68		1.07		1.29		0.93		1.5		2.2		3.44		0.41	

LAN Associates, Inc.
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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 12																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	8.02		9		8.29		7.95		8.35		8.18		8.22		7.71		8.26		9.05	
WATER ELEVATION	-	Feet	589.69		588.71		589.42		589.76		589.36		589.53		589.49		590.00		589.45		588.66	
WELL BOTTOM	-	Feet	19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.038		0.038		0.040		0.036		0.042		0.045		0.046		0.04		0.042	^	0.051	
BORON, (TOTAL)	*1*	mg/l	0.19		0.19		0.17		0.17		0.18		0.13		0.18		0.15		0.16		0.017	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	12.0		15.9		20.1		10.0		10.0		10.0	U	10.0	U	10.0	U	10	U	14.1	
CHLORIDE	-	mg/l	137		107		108		108		144		110		169		160		140		144	
CHROMIUM	*0.05*	mg/l	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
Eh	-	M.Volts	181		142		186		136		149		168		92		113		98		37	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	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
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.01		0.097		0.009		0.0160		0.0160		0.03		0.071		0.046		0.20		0.24	
MERCURY	*0.0007*	mg/l	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
PH	*between 6.5 to 8.5*	S.U	7.22		7.00		7.19		7.20		7.39		7.57		7.71		7.3		7.46		7.18	
POTASSIUM	-	mg/l	4.7		5.3		4.0		4.2		4.6		2.6		4.6		5.1		4.0		4.6	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**75.5**		**77.5**		**61.6**		**58.3**		**77.7**		**75.6**		**94.0**		**88.9**		**77.9**		**83.8**	
SPECIFIC CONDUCTANCE	-	mg/l	1144		1080		1204		1162		1294		1051		1218		1332		1294		1364	
SULFATE	*250*	mg/l	147		117		142		127		135		176		160		150		128		128	
TEMPERATURE	-	F	50.00		52.5		60.4		46.9		49.5		53.06		51.26		52.16		51.4		52.7	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**829**		**727**		**854**		**755**		**774**		**723**		**818**		**886**		**1000**		**785**	
TOTAL ORGANIC CARBON	-	mg/l	2.6		2.6		3.6		2.7		2.1		3.6		2.4		2.8		2.6		3.2	
TURBIDITY	*not exceed 5*	N.T.U	2.87		4.02		2.71		1.67		1.78		2.35		1.8		2.1		**5.57**		**12.6**	

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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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**	
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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**		1.0		1.0	U	**25.0**	

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Sump (Leachate)																						
SAMPLE DATE	-	NA	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	
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	
WATER LEVEL	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WATER ELEVATION (BEFORE PUR	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.061		0.042		0.033		0.032		0.057		0.063		0.052		0.090		0.094	^	0.092	
BORON, (TOTAL)	*1*	mg/l	0.35		0.26		0.02		0.21		0.32		0.28		0.31		0.40		0.44		0.41	
BROMIDE	-	mg/l	1.7		1.7		2.7		1.2		2.3		2.6		2.0		2.7		1.5		2.8	
CHEMICAL OXYGEN DEMAND	-	mg/l	27.5		20.3		30.2		13.1		11.6	F1	10	U	20		24.3		16.6		10	F1
CHLORIDE	-	mg/l	150		81.6		103.0		91.5		70.6		160		119		180		143		174	
CHROMIUM	*0.05*	mg/l	0.03		0.037		0.004	U	0.019		0.037		0.012		0.011		0.029		**0.41**		**0.18**	
eH	-	M.Volts	135		83		128		112		105		164		75		55		71		185	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.022		0.034		0.010	U	0.021		0.021		0.018		0.010	U	0.010	U	0.046		**0.059**	
LEAD	*0.025*	mg/l	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	
MANGANESE	*0.30*	mg/l	0.007		0.0078		0.0520		0.016		0.016		0.035		0.041		0.18		0.27		**0.44**	
MERCURY	*0.0007*	mg/l	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
pH	*between 6.5 to 8.5*	S.U	8.01		7.90		8.08		7.92		7.59		7.56		8.47		8.09		8.07		7.97	
POTASSIUM	-	mg/l	86.5		68.7		42.8		41.4		74.2		113		83.1		143		112		120	
SELENIUM	*0.01*	mg/l	**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	
SODIUM	*20*	mg/l	**72.8**		**47.2**		**45.1**		**40.6**		**74.0**		**73.7**		**68.3**		**112**		**85.3**		**96.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1160		714		745		791		1202		1255		1083		1510		1476		1715	
SULFATE	*250*	mg/l	154		72		92.9		85.7		68.2		203		129		210		172		232	
TEMPERATURE	-	°F	45.68		53.60		53.1		43.88		45.50		50.54		56.12		52.7		50.6		55.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**778**		443		480		456		**681**		**781**		**648**		**1030**		**797**		**1050**	
TOTAL ORGANIC CARBON	-	mg/l	7.0		5.2		6.5		5.8		6.8		7.0		6.1		9.6		9.7		11.4	
TURBIDITY	*not exceed 5*	N.T.U	2.27		1.76		1.72		0.92		1.48		1.03		1.8		2.2		**10.26**		**7.64**	

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Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
BR-1																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	10.59		11.52		10.44		10.52		10.63		10.34		10.43		9.90		10.51		11.28	
WATER ELEVATION	-	Feet	593.20		592.27		593.35		593.27		593.16		593.45		593.36		593.89		593.28		592.51	
WELL BOTTOM	-	Feet	35.85		35.85		35.85		39.92		39.92		39.92		39.92		39.92		35.95		35.95	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.16		0.13		0.13		0.088		0.10		0.11		0.11		0.16		0.14	^	0.12	
BORON, (TOTAL)	*1*	mg/l	0.15		0.13		0.15		0.12		0.13		0.12		0.14		0.12		0.12		0.12	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	10.0	U	15.9		24.5		10.0		10.0	U / F1	10	U	100	U	11.4		14.6		24.7	
CHLORIDE	-	mg/l	59.9		38.7		54.4		44.6		51.2		55.8		11.7		69		100		130	
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	0.0100	U	0.0040	U	0.0040	U
eH	-	M.Volts	151		117		48		114		32.000	U	159		13		49		44		144	
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	0.025		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	**0.55**		**0.45**		**0.50**		0.20		0.21		0.28		**0.31**		**0.61**		**0.50**		0.28	
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
pH	*between 6.5 to 8.5*	S.U	7.56		7.80		7.57		7.69		7.59		7.77		7.81		7.81		7.62		7.26	
POTASSIUM	-	mg/l	10.2		11.3		9.2		8.7		9.4	^	9.0		8.7		10.9		7.9		6.1	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**39.9**		**37.3**		**37.0**		**30.9**		**36.2**		**38.3**		**41.7**		**52.1**		**49.6**		**77.2**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	563		419		549		450		488		482		565		431		701.4		1082	
SULFATE	*250*	mg/l	77.6		59.2		74.3		51.5		53.8		60.9		13.8		75		93.5		95.4	
TEMPERATURE	-	^{o}F	51.98		53.60		56.12		49.1		50.2		52.88		51		52.34		50.5		53.2	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	364		288		385		267		271		309		325		372		318		405	
TOTAL ORGANIC CARBON	-	mg/l	2.5		4.1		3.9		3.3		2.7		2.9		2.8		3.6		3.5		0.2	
TURBIDITY	*not exceed 5*	N.T.U	2.90		3.10		2.48		1.10		1.26		1.95		1.67		2		2.32		0.17	

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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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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	5.0	B	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
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
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
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
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
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
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
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
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
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
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**	

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

LAN ASSOCIATES, INC.
ENVIRONMENTAL CONSULTING
ENGINEERING
PLANNING & ZONING

Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	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			1.0	U	1.0	U	2.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1-Dichloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		2.0	U			2.0	U	2.0	U	2.0	U
1,2-Dibromoethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichloroethane	*0.6*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichloropropane	*1.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
2-Butanone	-	ug/l	10	U	10	U	10	U	NS		NS		10	U			10.0	U	10.0	U	20.0	U*+
2-Hexanone	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		10.0	U			10.0	U	5.0	U	10.0	U
4-Methyl-2-pentanone	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		10.0	U			10.0	U	5.0	U	10.0	U
Acetone	-	ug/l	10.0	U	10.0	U	10.0	U	NS		NS		10.0	U			10.0	U	10.0	U	20.0	U
Acetonitrile	-	ug/l	40.0	U	40.0	U	15.0	U	NS		NS		20.0	U			20.0	U	15.0	U	30.0	U
Benzene	*1*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromochloromethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromodichloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromoform	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromomethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Carbon Disulfide	*60*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Carbon Tetrachloride	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chlorobenzene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloroform	*7.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
cis-1,2-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
cis-1,3-Dichloropropene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Dibromochloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Dibromomethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Ethylbenzene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Iodomethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U*+
m/p-Xylenes	-	ug/l	2.0	U	2.0	U	2.0	U	NS		NS		2.0	U			2.0	U	2.0	U	4.0	U
Methylene chloride	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		5.0	U			5.0	U	1.0	U	2.0	U
o-Xylene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Styrene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Tetrachloroethene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Toluene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	5.0	U	5.0	U	1.0	U	NS		NS		2.5	U			2.5	U	1.0	U	2.0	U
Trichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Trichlorofluoromethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Vinyl acetate	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		2.0	U			2.0	U	5.0	U	10.0	U
Vinyl chloride	*2*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U

[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.
CF6: Results confirmed by reanalysis.
D: Data reported from a dilution.
D02: Dilution required due to sample matrix effects.
D08: Dilution required due to high concentration of target analyte(s)
F1: MS and/or MSD Recovery is outside acceptance limits
U: Not detected at the reporting limit (or MDL or EDL if shown)
H - Exceeded the laboratory holding time
* - LCS or LCSD is outside acceptance limits.

^ Instrument related QC is outside acceptance limits
NS: Not Sampled
Result in Bold Text: Exceeds Class GA Standard

^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1 = MS and/or MSD recovery exceeds control limits.

Indicates the Cr (IV) results exceeds Total Chromium results therefore NA

F1 MS and/or MSD recovery exceeds control limits.

Appendix A

2021 Annual Groundwater Monitoring Report

2021 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

APRIL 30, 2021

Prepared by:

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

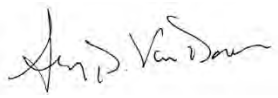
200 Malaga Street, Suite 3 • St. Augustine, FL 32084
Ph: (904) 824-6999 • Fax: (904) 824-0726 • www.lan-fl.com

LAN Ref. #2.3643.17
April 30, 2021

2021 GROUNDWATER MONITORING REPORT

CC Metals and Alloys, LLC
Witmer Road Property
Town of Niagara, NY

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.



Guy D. Van Doren, P.E.

Date: April 30, 2021

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

2021 GROUNDWATER MONITORING REPORT

CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
LAN Ref. #2.3643.17

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2021 GROUNDWATER MONITORING REPORT

CC METALS AND ALLOYS, LLC
WITMER ROAD
NIAGARA, NEW YORK
LAN Ref. #2-3643-17

1.0 INTRODUCTION

The following is the 2021 Groundwater Monitoring Report for CC Metals and Alloys, LLC (CCMA) landfill Cells 1 and 2 on Witmer Road in Niagara, New York. LAN Associates, Inc. (LAN) has been retained by CCMA to conduct this post-closure activity for this site. The facility is located on an approximate 23-acre site adjacent to Witmer Road in the Town of Niagara, NY. 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. Cell 1 was closed in 1990, and Cell 2 in 1992. 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 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 both the site's groundwater and surface water. A series of 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 April 9, 2021 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 sump. Surface water location SW-1 was also sampled during this monitoring period to determine the effectiveness of the stormwater treatment system.

Groundwater, surface water and landfill sump (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 notes are included in Appendix C 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 5310D. 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 C.

3.3 Summary of Sampling Results

Overall there have been no significant changes in water quality during the past year. A summary of groundwater quality data for the past nine years is provided as Appendix A – Data Summary Table. Historically, constituents of concern (COC) detected in the groundwater above standards included: sodium, TDS, and cis-1, 2-Dichloroethene (well 14N), vinyl chloride and arsenic. In 2013, 2018, 2020 and 2021, the samples from MW-14N showed vinyl chloride above the 2.0 ug/l standard, with exceedances consistently ranging from 2.3-2.5 ug/l. In 2013, 2018 and 2021 samples from MW-12 showed vinyl chloride above the 2.0 ug/l standard, with exceedances ranging from 2.8-25.0 ug/l. In 2021, the samples from BR-1 exceeded the 2.0 ug/l standard with a detection of 3.3 ug/l.

As noted, cis-1, 2- Dichloroethene detected in MW-14N remains above water quality standards but is overall trending down, as shown on the Trend Lines of the data for the past nine years (see Appendix B).

Sodium was detected above the water quality standards in all of the samples. TDS was reported above the standards in MW-3R, MW-5R, MW-12, MW-14N, SW-1 and the sump leachate. This data was reviewed and plotted, and Trend Lines indicate that the concentration of sodium is slightly trending up. TDS results in 2021 indicate that the concentrations of TDS are generally consistent over time (see Appendix B). In 2021, samples from MW-12, SW-1, and the sump leachate all exceeded the turbidity standard

of 5 NTUs. Turbidity has not previously been an issue, but could allow metals to more easily adhere to particulate in the water. Turbidity will be closely monitored and all attempts will be deployed to reduce it in future sampling events.

Hexavalent Chromium concentration was reported at 0.059 mg/l in the sump leachate, just slightly above the standard of 0.05 mg/l. The sample from MW-3R had a detection of 0.22 mg/L hexavalent chromium, which is also above the standard of 0.05 mg/l. The hexavalent chromium trend in MW-3R will be closely watched during the next sampling event.

As indicated on the laboratory Data Summary Table included in Appendix A, data review indicates all parameters are within trending values of previous years (see Appendix B – Data Graphs and Trends). The current (2021) Test America Analytical Report is included in Appendix C.

4.0 WATER TABLE ELEVATION DATA

Prior to sampling the groundwater, the depth to water was measured in each well. This was completed using a water table interface probe, measuring 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.

2021 Witmer Road Groundwater Elevation Table

Well Name	TOC Elevation	Depth to Water	Groundwater Elevation
MW-3R	611.87	3.38	608.49
MW-14N	605.52	7.86	597.66
MW-5R	601.00	6.32	594.68
MW-BR1	603.79	11.28	592.51
MW-12	597.71	9.05	588.66

Note: Water levels were recorded on April 9, 2021.

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 groundwater sampling was conducted in April 2021 as part of the post-closure operations and maintenance. The results of this annual sampling event indicate that constituents of concern, primarily cis-1, 2-Dichloethene, continue to be at concentrations above the standards in MW-14N but the detected level continues to decrease, as indicated in Appendices A and B. Vinyl chloride was detected above the standard in MW-12 and MW-14N. Sodium was detected above the established standard in all of the sample locations. Total dissolved solids continue to be detected in a majority of the sample locations. Hexavalent chromium was detected slightly above the standard in the sump leachate and an order of magnitude over in MW-3R; these sample locations will be carefully monitored in 2022.

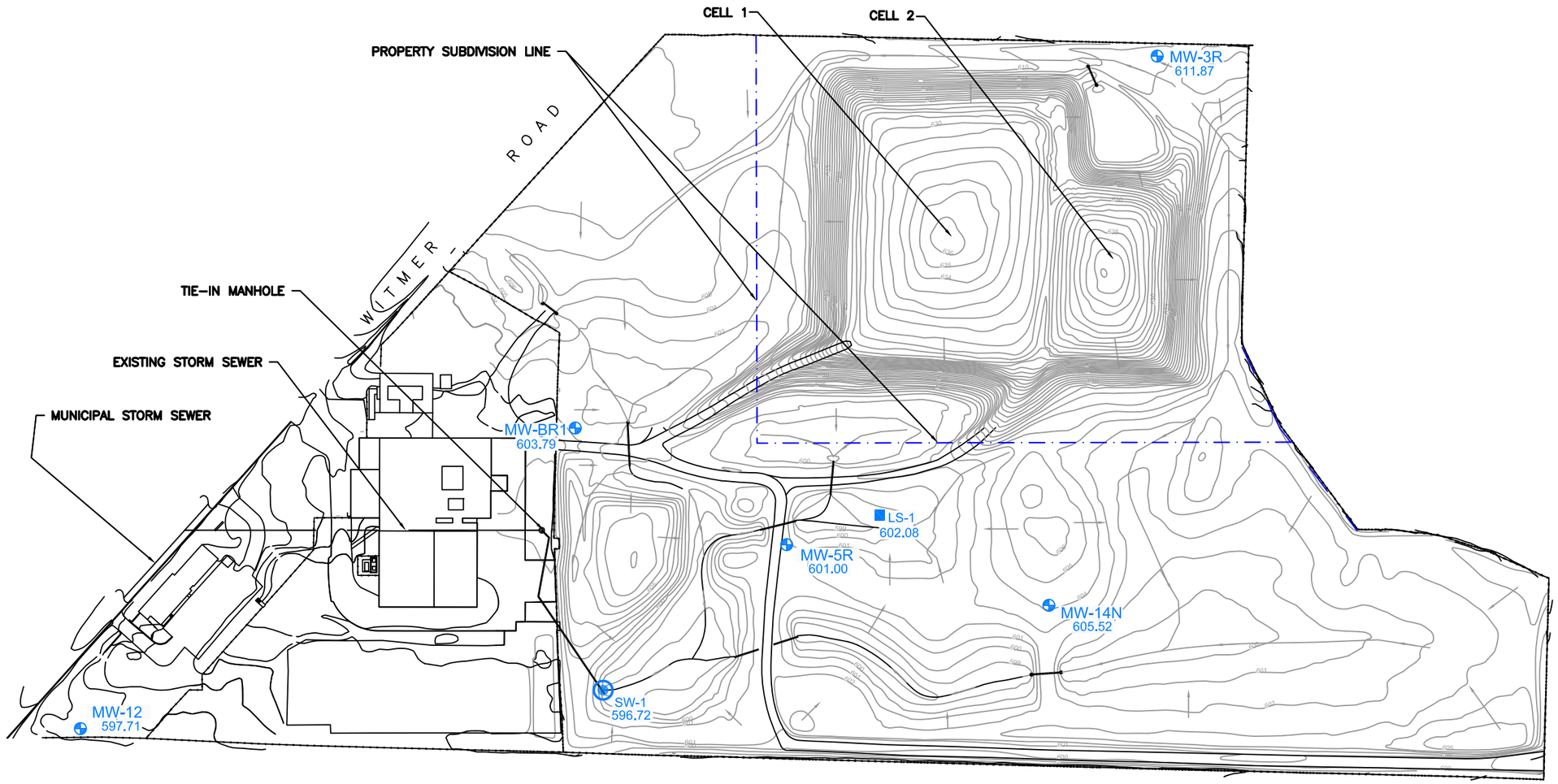
The annual report will be submitted in December 2021 summarizing this data and any additional maintenance work completed at the CCMA Witmer Road Landfill site.

FIGURE 1

SITE PLAN

LEGEND:

- MW-00 — MONITORING WELL
- SURFACE WATER SAMPLE
- SUMP SAMPLE
- SURFACE WATER FLOW DIRECTION
- 601.00 — SURFACE WATER ELEVATION



SCALE
0 90 180
(IN FEET)

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SITE PLAN

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

Figure: 1

Job No.: 3643-17-03

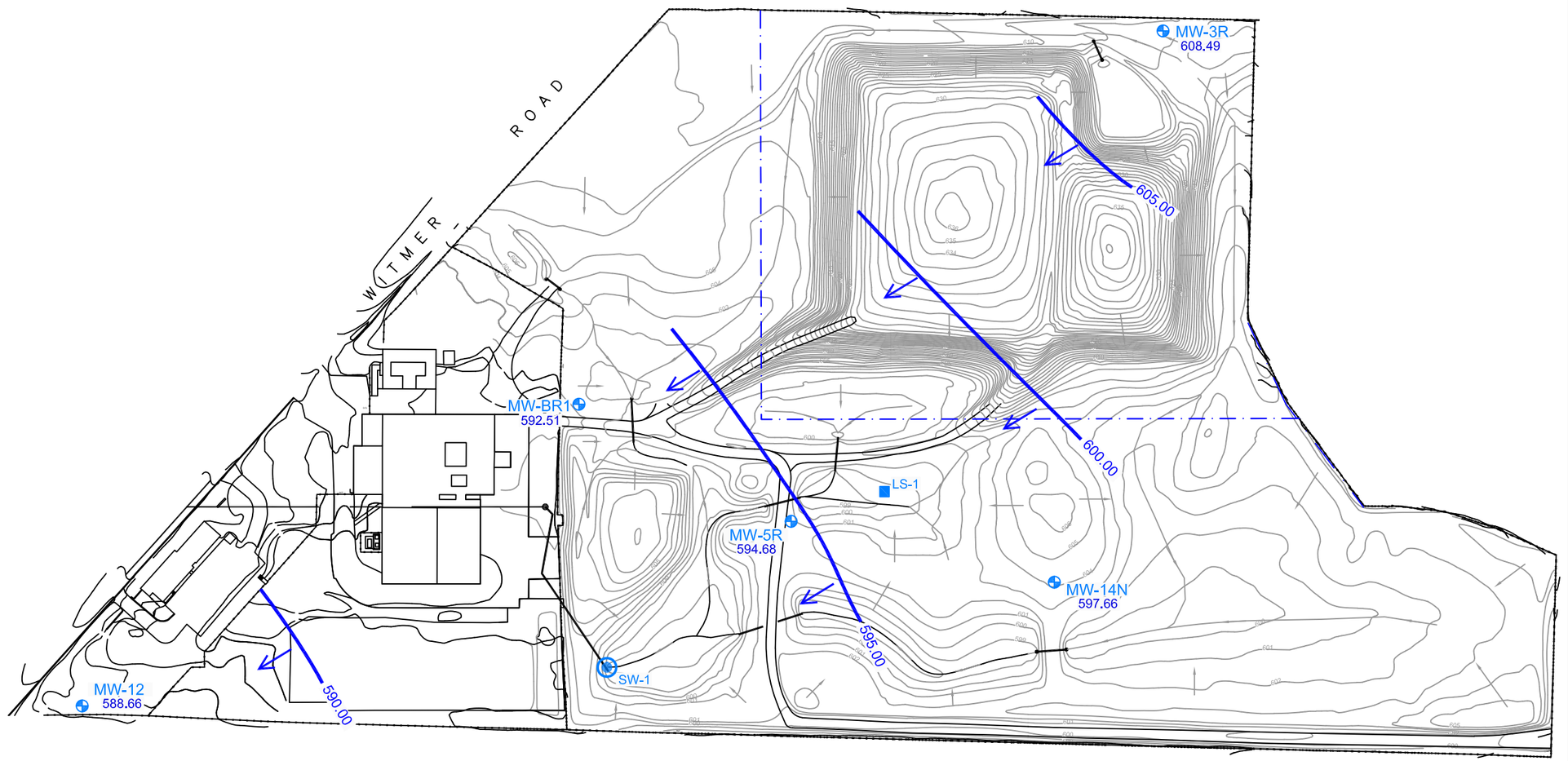
CREATION DATE: 06/01/20

FIGURE 2

GROUNDWATER CONTOUR MAP
(4/9/2021)

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



SCALE
0 90 180
(IN FEET)

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GROUNDWATER FLOW DIRECTION - APRIL 9, 2021

Figure: 2

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

Job No.:
3643-17-03

CREATION DATE: 04/29/21

APPENDIX A

DATA SUMMARY TABLE

LAN Associates, Inc.
ENVIRONMENTAL CONSULTING
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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 14N																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	7.12		8.13		6.83		6.81		7.11		6.47		6.89		6.19		6.90		7.86	
WATER ELEVATION	-	Feet	598.40		597.39		598.69		598.71		598.41		599.05		598.63		599.33		598.62		597.66	
WELL BOTTOM	-	Feet	26.35		26.35		26.35		26.35		26.50		26.5		26.5		26.5		26.5		26.5	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.11		0.12		0.11		0.11		0.12		0.12		0.14		0.14		0.13	^	0.12	
BORON, (TOTAL)	*1*	mg/l	0.11		0.13		0.12		0.11		0.11		0.11		0.12		0.10		0.11		0.11	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	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	
CHLORIDE	-	mg/l	117		109		92		110.0		132.0		151.0		175.0		150.0		150		135	
CHROMIUM	*0.05*	mg/l	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
Eh	-	M.Volts	175		168		74		132		67		242		36		40		33		9	
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	0.013		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.08		0.120		0.07		0.130		0.090		0.077		0.13		0.13		0.17		0.15	
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
PH	*between 6.5 to 8.5*	S.U	6.99		7.01		6.87		7.01		6.98		7.06		7.26		7.26		7.18		7.04	
POTASSIUM	-	mg/l	2.5		3.0		2.4		2.4		2.6		2.6		3.0		3.5		2.5		2.7	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**63.8**		**73.9**		**57.8**		**58.2**		**68.8**		**75.6**		**103**		**113**		**89.6**		**85.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1139		1181		1163		1201		1368		1427		1589		1486		1531		1503	
SULFATE	*250*	mg/l	175		171		168		162		160		141		237		250		244		230	
TEMPERATURE	-	^{o}F	52.16		54.68		58.28		47.48		50.18		52.16		53.24		52.34		52.3		53.4	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**857**		**829**		**837**		**809**		**844**		**885**		**956**		**948**		**1130**		**1020**	
TOTAL ORGANIC CARBON	-	mg/l	2.6		2.3		3.1		2.5		2.0		2.5		2.4		3.1		3.2		3.4	
TURBIDITY	*not exceed 5*	N.T.U	1.93		5.11		2.51		1.93		2.48		1.83		2.3		3.4		**15.1**		0.76	

LAN Associates, Inc.
ENVIRONMENTAL CONSULTING
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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
cis-1,2-Dichloroethene	*5*	ug/l	**28**		**29**		**28**		**28**		**21**		**24**		**25**		**20**		**22**		**16.0**	
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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**	

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 3R																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	2.09		3.55		1.65		1.93		2.12		1.58		2.06		1.63		2.25		3.38	
WATER ELEVATION	-	Feet	609.78		608.32		610.22		609.94		609.75		610.29		609.81		610.24		609.26		608.49	
WELL BOTTOM	-	Feet	12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.028		0.034		0.028		0.025		0.027		0.028		0.032		0.027		0.034	^	0.029	
BORON, (TOTAL)	*1*	mg/l	0.16		0.20		0.16		0.14		0.15		0.14		0.14		0.12		0.12		0.14	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	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	
CHLORIDE	-	mg/l	35.9		37.9		35.9		37.1		47.8		50.6		108		86		101		126	
CHROMIUM	*0.05*	mg/l	0.0052		0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0091		0.0055		0.01		0.0065		0.24	
Eh	-	M.Volts	112		148		168		131		158		260		92.0		112.0		111		142	
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	0.024		**0.22**	
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	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
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	0.02000	U	0.0002	U	0.0002	U
PH	*between 6.5 to 8.5*	S.U	6.99		6.89		6.96		6.85		6.51		7.39		7.70		7.25		7.38		7.56	
POTASSIUM	-	mg/l	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	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**23.8**		**29.0**		**24.1**		**22.2**		**23.8**		**25.4**		**37.3**		**42.1**		**54.2**		**40.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	999		1069		1055		1177		1131		1125		1322		1195		1324		997	
SULFATE	*250*	mg/l	155		154		147		147		148		141		190		180		207		318	
TEMPERATURE	-	oF	49.46		56.32		57.02		42.98		48.38		53.6		52		50.36		51.2		49.4	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**702**		**735**		**731**		**749**		**669**		**669**		**838**		**761**		**917**		**606**	
TOTAL ORGANIC CARBON	-	mg/l	2.9		2.8		5.0		2.6		1.9		2.1		1.9		2.4		3.0		3.4	
TURBIDITY	not exceed 5	N.T.U	1.87		3.56		0.92		1.07		1.82		1.55		1.5		2.3		1.04		0.95	

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Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 5R																						
SAMPLE DATE	-	NA	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	
TOP OF CASING ELEVATION	-	Feet	601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601	
DEPTH TO WATER	-	Feet	5.07		6.35		5.51		5.44		6.74		5.25		5.51		4.98		5.46		6.32	
WATER ELEVATION	-	Feet	596.25		596.25		596.25		596.23		594.93		596.42		596.16		596.69		596.21		594.68	
WELL BOTTOM	-	Feet	19.75		19.75		19.75		19.74		19.74		19.74		19.74		19.74		19.74		19.74	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.064		0.063		0.053		0.043		0.056		0.049		0.055		0.054		0.067	^	0.094	
BORON, (TOTAL)	*1*	mg/l	0.18		0.20		0.18		0.18		0.17		0.17		0.19		0.17		0.17		0.19	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	15.8		25.7		27.1		12.8		10.0		10.0	U	19.3		14.9		14.8		33.4	
CHLORIDE	-	mg/l	94.9		94.7		80.6		92.8		85.6		82.7		84.7		82		84.0		94.6	
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	0.0100	U	0.0040	U	0.0040	U
Eh	-	M.Volts	120		144		135		110		115		218		80		169		96.0		7.0	
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	0.016		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.010		0.370		0.01		0.0160		0.0190		0.0039		0.018		0.03		0.091		**0.3**	
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
PH	*between 6.5 to 8.5*	S.U	7.86		7.70		7.85		7.87		7.78		7.92		8.22		8.22		7.91		8.05	
POTASSIUM	-	mg/l	25.8		24.3		20.8		18.5		20.1		18.8		20.3		21.5		21.7		22.6	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**75.1**		**88.5**		**68.5**		**67.7**		**70.3**		**68.3**		**77.1**		**81.4**		**70.0**		**78.1**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	818		857		825		851		886		861		920		882		905.8		1025	
SULFATE	*250*	mg/l	178		183		157		157		164		167		182		180		159		166	
TEMPERATURE	-	°F	50.36		53.96		56.12		44.96		48.20		51.26		50.2		51.26		49.8		54.1	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**552**		**587**		**545**		490		**531**		**531**		**554**		**544**		487		**633**	
TOTAL ORGANIC CARBON	-	mg/l	5.1		6.4		5.8		5.4		4.5		4.6		4.9		5.7		6.2		5.9	
TURBIDITY	*not exceed 5*	N.T.U	2.71		2.91		2.68		1.07		1.29		0.93		1.5		2.2		3.44		0.41	

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Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
Well 12																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	8.02		9		8.29		7.95		8.35		8.18		8.22		7.71		8.26		9.05	
WATER ELEVATION	-	Feet	589.69		588.71		589.42		589.76		589.36		589.53		589.49		590.00		589.45		588.66	
WELL BOTTOM	-	Feet	19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.038		0.038		0.040		0.036		0.042		0.045		0.046		0.04		0.042	^	0.051	
BORON, (TOTAL)	*1*	mg/l	0.19		0.19		0.17		0.17		0.18		0.13		0.18		0.15		0.16		0.017	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	12.0		15.9		20.1		10.0		10.0		10.0	U	10.0	U	10.0	U	10	U	14.1	
CHLORIDE	-	mg/l	137		107		108		108		144		110		169		160		140		144	
CHROMIUM	*0.05*	mg/l	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
Eh	-	M.Volts	181		142		186		136		149		168		92		113		98		37	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	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
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	0.01		0.097		0.009		0.0160		0.0160		0.03		0.071		0.046		0.20		0.24	
MERCURY	*0.0007*	mg/l	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
PH	*between 6.5 to 8.5*	S.U	7.22		7.00		7.19		7.20		7.39		7.57		7.71		7.3		7.46		7.18	
POTASSIUM	-	mg/l	4.7		5.3		4.0		4.2		4.6		2.6		4.6		5.1		4.0		4.6	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**75.5**		**77.5**		**61.6**		**58.3**		**77.7**		**75.6**		**94.0**		**88.9**		**77.9**		**83.8**	
SPECIFIC CONDUCTANCE	-	mg/l	1144		1080		1204		1162		1294		1051		1218		1332		1294		1364	
SULFATE	*250*	mg/l	147		117		142		127		135		176		160		150		128		128	
TEMPERATURE	-	F	50.00		52.5		60.4		46.9		49.5		53.06		51.26		52.16		51.4		52.7	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**829**		**727**		**854**		**755**		**774**		**723**		**818**		**886**		**1000**		**785**	
TOTAL ORGANIC CARBON	-	mg/l	2.6		2.6		3.6		2.7		2.1		3.6		2.4		2.8		2.6		3.2	
TURBIDITY	*not exceed 5*	N.T.U	2.87		4.02		2.71		1.67		1.78		2.35		1.8		2.1		**5.57**		**12.6**	

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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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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**	
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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**		1.0		1.0	U	**25.0**	

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Sump (Leachate)																						
SAMPLE DATE	-	NA	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	
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	
WATER LEVEL	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WATER ELEVATION (BEFORE PUR	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.061		0.042		0.033		0.032		0.057		0.063		0.052		0.090		0.094	^	0.092	
BORON, (TOTAL)	*1*	mg/l	0.35		0.26		0.02		0.21		0.32		0.28		0.31		0.40		0.44		0.41	
BROMIDE	-	mg/l	1.7		1.7		2.7		1.2		2.3		2.6		2.0		2.7		1.5		2.8	
CHEMICAL OXYGEN DEMAND	-	mg/l	27.5		20.3		30.2		13.1		11.6	F1	10	U	20		24.3		16.6		10	F1
CHLORIDE	-	mg/l	150		81.6		103.0		91.5		70.6		160		119		180		143		174	
CHROMIUM	*0.05*	mg/l	0.03		0.037		0.004	U	0.019		0.037		0.012		0.011		0.029		**0.41**		**0.18**	
eH	-	M.Volts	135		83		128		112		105		164		75		55		71		185	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.022		0.034		0.010	U	0.021		0.021		0.018		0.010	U	0.010	U	0.046		**0.059**	
LEAD	*0.025*	mg/l	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	
MANGANESE	*0.30*	mg/l	0.007		0.0078		0.0520		0.016		0.016		0.035		0.041		0.18		0.27		**0.44**	
MERCURY	*0.0007*	mg/l	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
pH	*between 6.5 to 8.5*	S.U	8.01		7.90		8.08		7.92		7.59		7.56		8.47		8.09		8.07		7.97	
POTASSIUM	-	mg/l	86.5		68.7		42.8		41.4		74.2		113		83.1		143		112		120	
SELENIUM	*0.01*	mg/l	**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	
SODIUM	*20*	mg/l	**72.8**		**47.2**		**45.1**		**40.6**		**74.0**		**73.7**		**68.3**		**112**		**85.3**		**96.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1160		714		745		791		1202		1255		1083		1510		1476		1715	
SULFATE	*250*	mg/l	154		72		92.9		85.7		68.2		203		129		210		172		232	
TEMPERATURE	-	°F	45.68		53.60		53.1		43.88		45.50		50.54		56.12		52.7		50.6		55.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**778**		443		480		456		**681**		**781**		**648**		**1030**		**797**		**1050**	
TOTAL ORGANIC CARBON	-	mg/l	7.0		5.2		6.5		5.8		6.8		7.0		6.1		9.6		9.7		11.4	
TURBIDITY	*not exceed 5*	N.T.U	2.27		1.76		1.72		0.92		1.48		1.03		1.8		2.2		**10.26**		**7.64**	

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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

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Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.
BR-1																						
SAMPLE DATE	-	NA	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	
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	
DEPTH TO WATER	-	Feet	10.59		11.52		10.44		10.52		10.63		10.34		10.43		9.90		10.51		11.28	
WATER ELEVATION	-	Feet	593.20		592.27		593.35		593.27		593.16		593.45		593.36		593.89		593.28		592.51	
WELL BOTTOM	-	Feet	35.85		35.85		35.85		39.92		39.92		39.92		39.92		39.92		35.95		35.95	
ARSENIC	*0.025*	mg/l	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
BARIUM	*1*	mg/l	0.16		0.13		0.13		0.088		0.10		0.11		0.11		0.16		0.14	^	0.12	
BORON, (TOTAL)	*1*	mg/l	0.15		0.13		0.15		0.12		0.13		0.12		0.14		0.12		0.12		0.12	
BROMIDE	-	mg/l	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
CHEMICAL OXYGEN DEMAND	-	mg/l	10.0	U	15.9		24.5		10.0		10.0	U / F1	10	U	100	U	11.4		14.6		24.7	
CHLORIDE	-	mg/l	59.9		38.7		54.4		44.6		51.2		55.8		11.7		69		100		130	
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	0.0100	U	0.0040	U	0.0040	U
eH	-	M.Volts	151		117		48		114		32.000	U	159		13		49		44		144	
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	0.025		0.010	U
LEAD	*0.025*	mg/l	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
MANGANESE	*0.3*	mg/l	**0.55**		**0.45**		**0.50**		0.20		0.21		0.28		**0.31**		**0.61**		**0.50**		0.28	
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
pH	*between 6.5 to 8.5*	S.U	7.56		7.80		7.57		7.69		7.59		7.77		7.81		7.81		7.62		7.26	
POTASSIUM	-	mg/l	10.2		11.3		9.2		8.7		9.4	^	9.0		8.7		10.9		7.9		6.1	
SELENIUM	*0.01*	mg/l	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
SODIUM	*20*	mg/l	**39.9**		**37.3**		**37.0**		**30.9**		**36.2**		**38.3**		**41.7**		**52.1**		**49.6**		**77.2**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	563		419		549		450		488		482		565		431		701.4		1082	
SULFATE	*250*	mg/l	77.6		59.2		74.3		51.5		53.8		60.9		13.8		75		93.5		95.4	
TEMPERATURE	-	^{o}F	51.98		53.60		56.12		49.1		50.2		52.88		51		52.34		50.5		53.2	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	364		288		385		267		271		309		325		372		318		405	
TOTAL ORGANIC CARBON	-	mg/l	2.5		4.1		3.9		3.3		2.7		2.9		2.8		3.6		3.5		0.2	
TURBIDITY	*not exceed 5*	N.T.U	2.90		3.10		2.48		1.10		1.26		1.95		1.67		2		2.32		0.17	

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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
1,1,1-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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,3-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
1,2-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
1,2-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
1,2-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
1,2-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
1,2-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
1,4-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
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*+
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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*+
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
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	5.0	B	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
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
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
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
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
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
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
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
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
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
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**	

LAN Associates, Inc.
ENVIRONMENTAL CONSULTING
ENGINEERING
PLANNING & ZONING

Annual Groundwater Analytical Summary

CC Metals and Alloys, LLC

Town of Niagara, NY - Witmer Road

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

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Quarter	Class GA Standard[1]	Units	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	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			1.0	U	1.0	U	2.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1-Dichloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,1-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		2.0	U			2.0	U	2.0	U	2.0	U
1,2-Dibromoethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichloroethane	*0.6*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,2-Dichloropropane	*1.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
2-Butanone	-	ug/l	10	U	10	U	10	U	NS		NS		10	U			10.0	U	10.0	U	20.0	U*+
2-Hexanone	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		10.0	U			10.0	U	5.0	U	10.0	U
4-Methyl-2-pentanone	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		10.0	U			10.0	U	5.0	U	10.0	U
Acetone	-	ug/l	10.0	U	10.0	U	10.0	U	NS		NS		10.0	U			10.0	U	10.0	U	20.0	U
Acetonitrile	-	ug/l	40.0	U	40.0	U	15.0	U	NS		NS		20.0	U			20.0	U	15.0	U	30.0	U
Benzene	*1*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromochloromethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromodichloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromoform	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Bromomethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Carbon Disulfide	*60*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Carbon Tetrachloride	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chlorobenzene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloroethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloroform	*7.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Chloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
cis-1,2-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
cis-1,3-Dichloropropene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Dibromochloromethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Dibromomethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Ethylbenzene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Iodomethane	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U*+
m/p-Xylenes	-	ug/l	2.0	U	2.0	U	2.0	U	NS		NS		2.0	U			2.0	U	2.0	U	4.0	U
Methylene chloride	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		5.0	U			5.0	U	1.0	U	2.0	U
o-Xylene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Styrene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Tetrachloroethene	-	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Toluene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	5.0	U	5.0	U	1.0	U	NS		NS		2.5	U			2.5	U	1.0	U	2.0	U
Trichloroethene	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Trichlorofluoromethane	*5.0*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U
Vinyl acetate	-	ug/l	5.0	U	5.0	U	5.0	U	NS		NS		2.0	U			2.0	U	5.0	U	10.0	U
Vinyl chloride	*2*	ug/l	1.0	U	1.0	U	1.0	U	NS		NS		1.0	U			1.0	U	1.0	U	2.0	U

[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.
CF6: Results confirmed by reanalysis.
D: Data reported from a dilution.
D02: Dilution required due to sample matrix effects.
D08: Dilution required due to high concentration of target analyte(s)
F1: MS and/or MSD Recovery is outside acceptance limits
U: Not detected at the reporting limit (or MDL or EDL if shown)
H - Exceeded the laboratory holding time
* - LCS or LCSD is outside acceptance limits.

^ Instrument related QC is outside acceptance limits
NS: Not Sampled
Result in Bold Text: Exceeds Class GA Standard

^ = ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1 = MS and/or MSD recovery exceeds control limits.

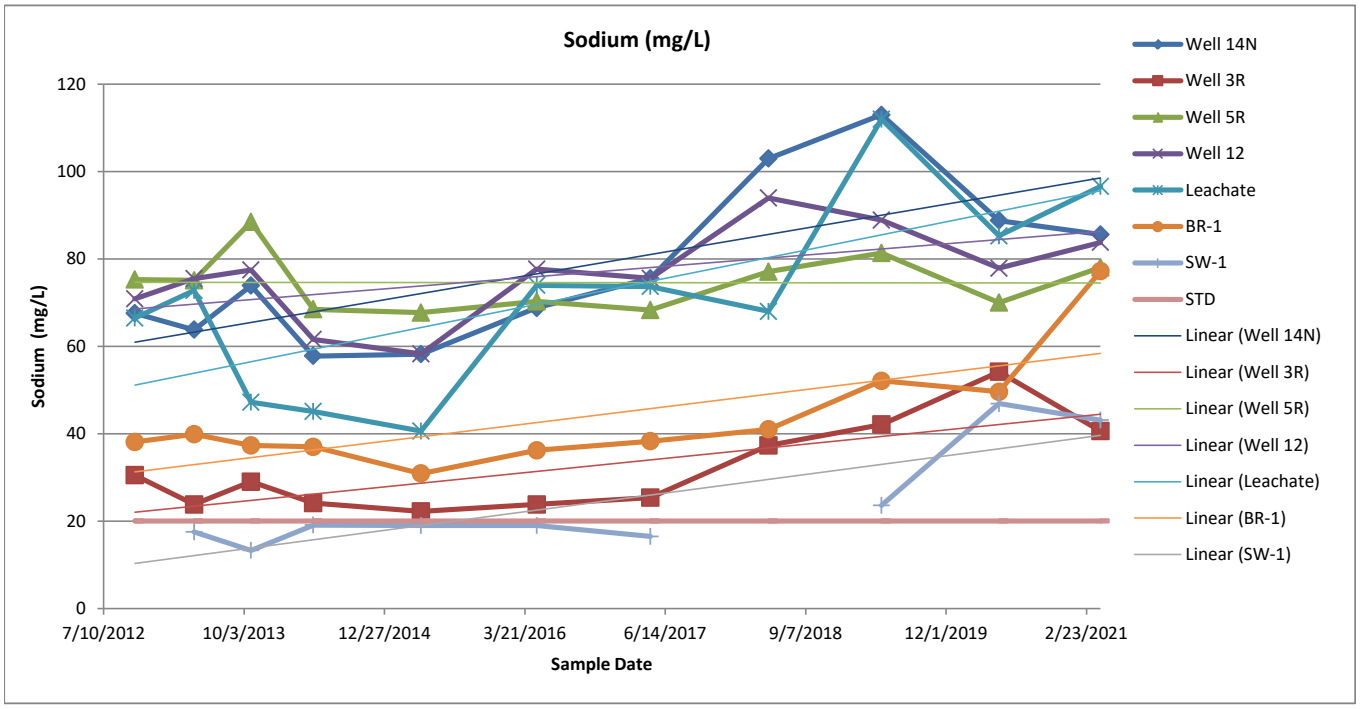
Indicates the Cr (IV) results exceeds Total Chromium results therefore NA

F1 MS and/or MSD recovery exceeds control limits.

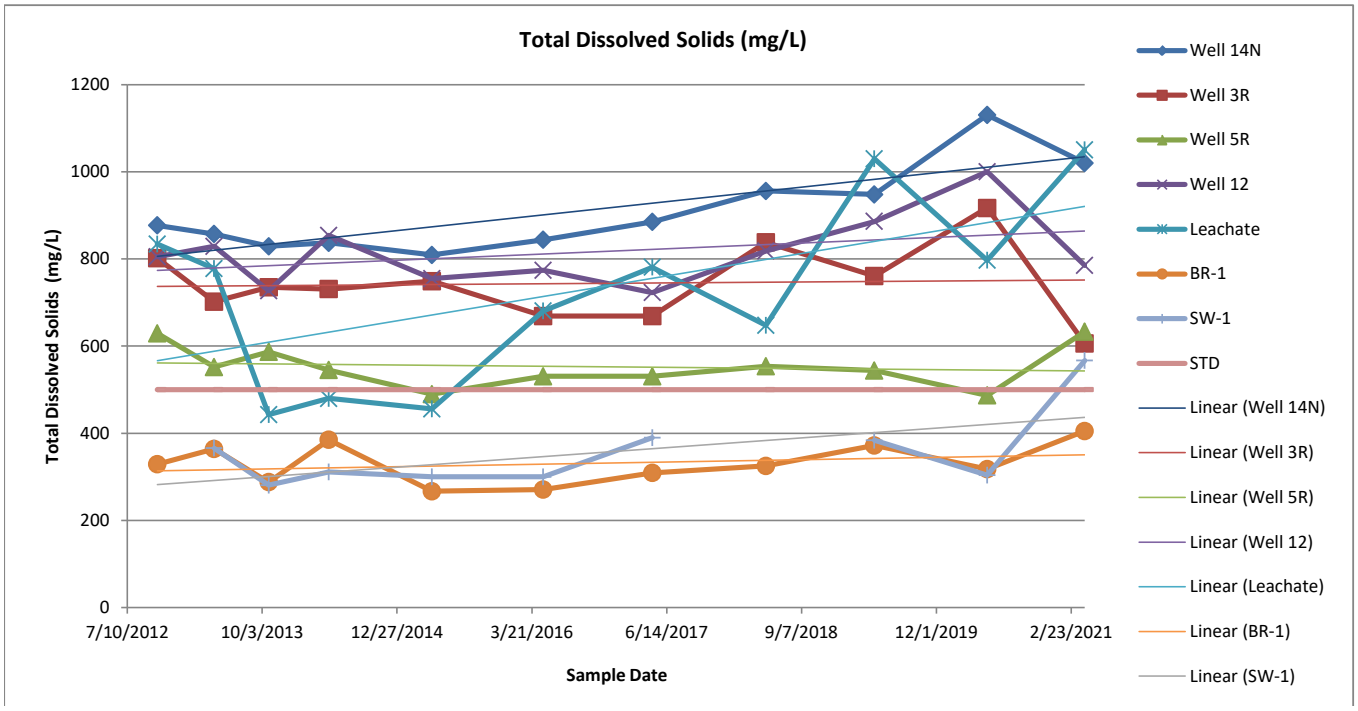
APPENDIX B

DATA GRAPHS AND TRENDS

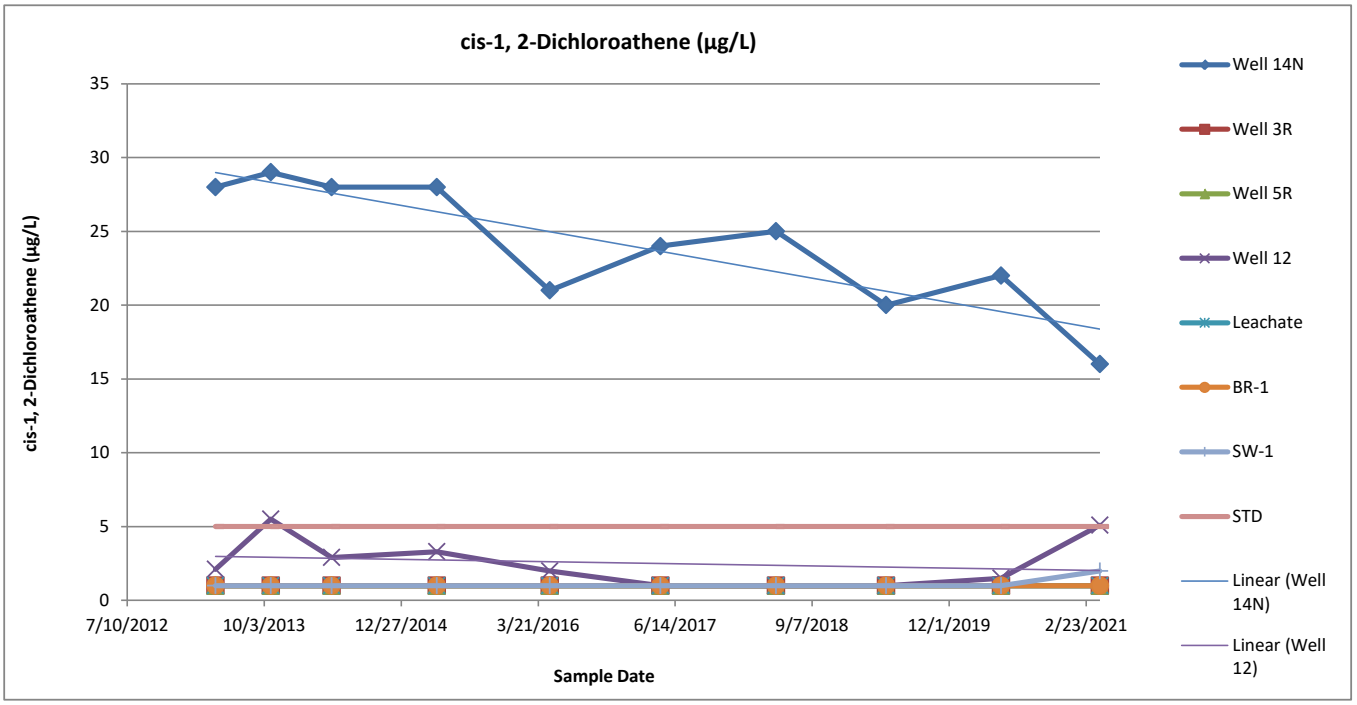
Sodium (mg/L)								
Date	Well 14N	Well 3R	Well 5R	Well 12	Leachate	BR-1	SW-1	STD
18-Oct-12	**67.6**	**30.5**	**75.3**	**70.9**	**66.5**	**38.1**		**20**
26-Apr-13	**63.8**	**23.8**	**75.1**	**75.5**	**72.8**	**39.9**	17.5	**20**
25-Oct-13	**73.9**	**29**	**88.5**	**77.5**	**47.2**	**37.3**	13.3	**20**
13-May-14	**57.8**	**24.1**	**68.5**	**61.6**	**45.1**	**37**	19.1	**20**
23-Apr-15	**58.2**	**22.2**	**67.7**	**58.3**	**40.6**	**30.9**	19	**20**
28-Apr-16	**68.8**	**23.8**	**70.3**	**77.7**	**74**	**36.2**	19	**20**
27-Apr-17	**75.6**	**25.4**	**68.3**	**75.6**	**73.7**	**38.3**	16.5	**20**
11-May-18	**103**	**37.3**	**77.1**	**94**	**68**	**41**		**20**
8-May-19	**113**	**42.1**	**81.4**	**88.9**	**112**	**52.1**	23.6	**20**
19-May-20	**88.8**	**54.2**	**70**	**77.9**	**85.3**	**49.6**	**46.9**	**20**
9-Apr-21	**85.6**	**40.6**	**78.1**	**83.8**	**96.6**	**77.2**	**43.1**	**20**
Class GA Standard: 20								



Total Dissolved Solids (mg/L)								
Date	Well 14N	Well 3R	Well 5R	Well 12	Leachate	BR-1	SW-1	STD
18-Oct-12	**877**	**802**	**629**	**805**	**834**	329		**500**
26-Apr-13	**857**	**702**	**552**	**829**	**778**	364	366	**500**
25-Oct-13	**829**	**735**	**587**	**727**	443	288	281	**500**
13-May-14	**837**	**731**	**545**	**854**	480	385	311	**500**
23-Apr-15	**809**	**749**	490	**755**	456	267	300	**500**
28-Apr-16	**844**	**669**	**531**	**774**	**681**	271	300	**500**
27-Apr-17	**885**	**669**	**531**	**723**	**781**	309	390	**500**
11-May-18	**956**	**838**	**554**	**818**	**648**	325		**500**
8-May-19	**948**	**761**	**544**	**886**	**1030**	372	384	**500**
19-May-20	**1130**	**917**	487	**1000**	**797**	318	304	**500**
9-Apr-21	**1020**	**606**	**633**	**785**	**1050**	405	**567**	**500**
not to exceed 500								



cis-1, 2-Dichloroathene (µg/L)								
Date	Well 14N	Well 3R	Well 5R	Well 12	Leachate	BR-1	SW-1	STD
26-Apr-13	**28**	1.0	1.0	2.1	1.0	1.0	1.0	**5.0**
25-Oct-13	**29**	1.0	1.0	**5.5**	1.0	1.0	1.0	**5.0**
13-May-14	**28**	1.0	1.0	2.9	1.0	1.0	1.0	**5.0**
23-Apr-15	**28**	1.0	1.0	3.3	1.0	1.0	1.0	**5.0**
28-Apr-16	**21**	1.0	1.0	2.0	1.0	1.0	1.0	**5.0**
27-Apr-17	**24**	1.0	1.0	1.0	1.0	1.0	1.0	**5.0**
11-May-18	**25**	1.0	1.0	1.0	1.0	1.0	1.0	**5.0**
8-May-19	**20**	1.0	1.0	1.0	1.0	1.0	1.0	**5.0**
19-May-20	**22**	1.0	1.0	1.5	1.0	1.0	1.0	**5.0**
9-Apr-21	**16**	1.0	1.0	**5.1**	1.0	1.0	2.0	**5.0**
Class GA Standard: 5								



APPENDIX C

TEST AMERICA ANALYTICAL REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-183120-1
Client Project/Site: Witmer Road G/W
Revision: 1

For:
LAN Associates Inc
200 Malaga Street
Suite 3
St. Augustine, Florida 32084

Attn: Mr. Chris L. Callegari

Judy Stone

Authorized for release by:
4/29/2021 2:38:45 PM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-183120-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.

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: 480-183120-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-183120-1

Revision (1)
The report is being revised to attach the field sheets provided by the sampling contractor on 4/29/21.

Receipt
The samples were received on 4/9/2021 5:00 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 3.4º C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SW-1 (480-183120-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 480-575887 recovered outside control limits for the following analyte: Iodomethane. Iodomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The associated samples are affected: BR-1 (480-183120-1), MW-3R (480-183120-2), MW-12 (480-183120-3), MW-14N (480-183120-4), MW-5R (480-183120-5), Leachate (480-183120-6), SW-1 (480-183120-7) and Trip Blank (480-183120-8).

Method 8260C: The laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for batch 480-575887 exceeded control limits for the following analyte: 2-Butanone. Unlike the calibration standards, this is due to the co-elution with Ethyl Acetate in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following samples were affected: BR-1 (480-183120-1), MW-3R (480-183120-2), MW-12 (480-183120-3), MW-14N (480-183120-4), MW-5R (480-183120-5), Leachate (480-183120-6), SW-1 (480-183120-7) and Trip Blank (480-183120-8).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-575887 recovered above the upper control limit for Acetonitrile. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: BR-1 (480-183120-1), MW-3R (480-183120-2), MW-12 (480-183120-3), MW-14N (480-183120-4), MW-5R (480-183120-5), Leachate (480-183120-6), SW-1 (480-183120-7) and Trip Blank (480-183120-8).

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: BR-1 (480-183120-1), MW-3R (480-183120-2), MW-12 (480-183120-3), MW-14N (480-183120-4), MW-5R (480-183120-5) and Leachate (480-183120-6). 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: 480-183120-1

Client Sample ID: BR-1 — Lab Sample ID: 480-183120-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.3		1.0		ug/L	1		8260C	Total/NA
Barium	0.12		0.0020		mg/L	1		6010C	Total/NA
Boron	0.12		0.020		mg/L	1		6010C	Total/NA
Manganese	0.28		0.0030		mg/L	1		6010C	Total/NA
Potassium	6.1		0.50		mg/L	1		6010C	Total/NA
Sodium	77.2		1.0		mg/L	1		6010C	Total/NA
Chloride	130		2.5		mg/L	5		300.0	Total/NA
Sulfate	95.4		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	24.7		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	405		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.2		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-3R — Lab Sample ID: 480-183120-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.029		0.0020		mg/L	1		6010C	Total/NA
Boron	0.14		0.020		mg/L	1		6010C	Total/NA
Chromium	0.24		0.0040		mg/L	1		6010C	Total/NA
Potassium	1.1		0.50		mg/L	1		6010C	Total/NA
Sodium	40.6		1.0		mg/L	1		6010C	Total/NA
Chloride	126		2.5		mg/L	5		300.0	Total/NA
Sulfate	318		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	19.7		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	606		10.0		mg/L	1		SM 2540C	Total/NA
Cr (VI)	0.22		0.010		mg/L	1		SM 3500 CR B	Total/NA
Total Organic Carbon	3.4		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-183120-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.1		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	25		1.0		ug/L	1		8260C	Total/NA
Barium	0.051		0.0020		mg/L	1		6010C	Total/NA
Boron	0.17		0.020		mg/L	1		6010C	Total/NA
Manganese	0.24		0.0030		mg/L	1		6010C	Total/NA
Potassium	4.6		0.50		mg/L	1		6010C	Total/NA
Sodium	83.8		1.0		mg/L	1		6010C	Total/NA
Chloride	144		2.5		mg/L	5		300.0	Total/NA
Sulfate	128		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	14.1		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	785		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.2		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-14N — Lab Sample ID: 480-183120-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	2.3		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	0.15		0.0030		mg/L	1		6010C	Total/NA
Potassium	2.7		0.50		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-14N (Continued) — Lab Sample ID: 480-183120-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	85.6		1.0		mg/L	1		6010C	Total/NA
Chloride	135		2.5		mg/L	5		300.0	Total/NA
Sulfate	230		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	25.2		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	1020		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	3.4		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-5R — Lab Sample ID: 480-183120-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.094		0.0020		mg/L	1		6010C	Total/NA
Boron	0.19		0.020		mg/L	1		6010C	Total/NA
Manganese	0.30		0.0030		mg/L	1		6010C	Total/NA
Potassium	22.6		0.50		mg/L	1		6010C	Total/NA
Sodium	78.1		1.0		mg/L	1		6010C	Total/NA
Chloride	94.6		2.5		mg/L	5		300.0	Total/NA
Sulfate	166		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	33.4		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	633		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	5.9		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: Leachate — Lab Sample ID: 480-183120-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.092		0.0020		mg/L	1		6010C	Total/NA
Boron	0.41		0.020		mg/L	1		6010C	Total/NA
Chromium	0.18		0.0040		mg/L	1		6010C	Total/NA
Lead	0.012		0.010		mg/L	1		6010C	Total/NA
Manganese	0.44		0.0030		mg/L	1		6010C	Total/NA
Potassium	120		0.50		mg/L	1		6010C	Total/NA
Sodium	96.6		1.0		mg/L	1		6010C	Total/NA
Selenium	0.026		0.025		mg/L	1		6010C	Total/NA
Bromide	2.8		1.0		mg/L	5		300.0	Total/NA
Chloride	174		2.5		mg/L	5		300.0	Total/NA
Sulfate	232		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	1050		10.0		mg/L	1		SM 2540C	Total/NA
Cr (VI)	0.059		0.010		mg/L	1		SM 3500 CR B	Total/NA
Total Organic Carbon	11.4		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: SW-1 — Lab Sample ID: 480-183120-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.079		0.0020		mg/L	1		6010C	Total/NA
Boron	0.12		0.020		mg/L	1		6010C	Total/NA
Chromium	0.021		0.0040		mg/L	1		6010C	Total/NA
Manganese	1.0		0.0030		mg/L	1		6010C	Total/NA
Potassium	10.5		0.50		mg/L	1		6010C	Total/NA
Sodium	43.1		1.0		mg/L	1		6010C	Total/NA
Chloride	26.3		0.50		mg/L	1		300.0	Total/NA
Sulfate	51.6		2.0		mg/L	1		300.0	Total/NA
Chemical Oxygen Demand	82.7		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	567		10.0		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-1 (Continued) — Lab Sample ID: 480-183120-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Carbon	26.1		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-183120-8

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-183120-1

Client Sample ID: BR-1
Date Collected: 04/09/21 12:06
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-1
Matrix: Water

Method: 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			04/11/21 12:55	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 12:55	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 12:55	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 12:55	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 12:55	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 12:55	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 12:55	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 12:55	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 12:55	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 12:55	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 12:55	1
2-Hexanone	ND		5.0		ug/L			04/11/21 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 12:55	1
Acetone	ND		10		ug/L			04/11/21 12:55	1
Acetonitrile	ND		15		ug/L			04/11/21 12:55	1
Benzene	ND		1.0		ug/L			04/11/21 12:55	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 12:55	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 12:55	1
Bromoform	ND		1.0		ug/L			04/11/21 12:55	1
Bromomethane	ND		1.0		ug/L			04/11/21 12:55	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 12:55	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 12:55	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 12:55	1
Chloroethane	ND		1.0		ug/L			04/11/21 12:55	1
Chloroform	ND		1.0		ug/L			04/11/21 12:55	1
Chloromethane	ND		1.0		ug/L			04/11/21 12:55	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 12:55	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 12:55	1
Cyclohexane	ND		1.0		ug/L			04/11/21 12:55	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 12:55	1
Dibromomethane	ND		1.0		ug/L			04/11/21 12:55	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 12:55	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 12:55	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 12:55	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 12:55	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 12:55	1
Methyl acetate	ND		2.5		ug/L			04/11/21 12:55	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 12:55	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 12:55	1
o-Xylene	ND		1.0		ug/L			04/11/21 12:55	1
Styrene	ND		1.0		ug/L			04/11/21 12:55	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 12:55	1
Toluene	ND		1.0		ug/L			04/11/21 12:55	1

Client Sample ID: BR-1

Lab Sample ID: 480-183120-1

Date Collected: 04/09/21 12:06

Matrix: Water

Date Received: 04/09/21 17:00

Method: 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			04/11/21 12:55	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 12:55	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 12:55	1
Trichloroethene	ND		1.0		ug/L			04/11/21 12:55	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 12:55	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 12:55	1
Vinyl chloride	**3.3**		1.0		ug/L			04/11/21 12:55	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 12:55*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/11/21 12:55*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/11/21 12:55*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/11/21 12:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:14	1
Barium	**0.12**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:14	1
Boron	**0.12**		0.020		mg/L		04/13/21 15:48	04/16/21 12:45	1
Chromium	ND		0.0040		mg/L		04/13/21 15:48	04/15/21 04:14	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:14	1
Manganese	**0.28**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:14	1
Potassium	**6.1**		0.50		mg/L		04/13/21 15:48	04/16/21 12:45	1
Sodium	**77.2**		1.0		mg/L		04/13/21 15:48	04/16/21 12:45	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0		mg/L			04/16/21 20:22	5
Chloride	**130**		2.5		mg/L			04/16/21 20:22	5
Sulfate	**95.4**		10.0		mg/L			04/16/21 20:22	5
Chemical Oxygen Demand	**24.7**		10.0		mg/L			04/14/21 18:12	1
Total Dissolved Solids	**405**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	ND		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**3.2**		1.0		mg/L			04/14/21 07:44	1

Client Sample ID: MW-3R

Lab Sample ID: 480-183120-2

Date Collected: 04/09/21 10:58

Matrix: Water

Date Received: 04/09/21 17:00

Method: 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			04/11/21 13:18	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 13:18	1

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

Job ID: 480-183120-1

Client Sample ID: MW-3R
Date Collected: 04/09/21 10:58
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 13:18	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 13:18	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 13:18	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 13:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 13:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 13:18	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 13:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:18	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 13:18	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 13:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:18	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 13:18	1
2-Hexanone	ND		5.0		ug/L			04/11/21 13:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 13:18	1
Acetone	ND		10		ug/L			04/11/21 13:18	1
Acetonitrile	ND		15		ug/L			04/11/21 13:18	1
Benzene	ND		1.0		ug/L			04/11/21 13:18	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 13:18	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 13:18	1
Bromoform	ND		1.0		ug/L			04/11/21 13:18	1
Bromomethane	ND		1.0		ug/L			04/11/21 13:18	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 13:18	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 13:18	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 13:18	1
Chloroethane	ND		1.0		ug/L			04/11/21 13:18	1
Chloroform	ND		1.0		ug/L			04/11/21 13:18	1
Chloromethane	ND		1.0		ug/L			04/11/21 13:18	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 13:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 13:18	1
Cyclohexane	ND		1.0		ug/L			04/11/21 13:18	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 13:18	1
Dibromomethane	ND		1.0		ug/L			04/11/21 13:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 13:18	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 13:18	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 13:18	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 13:18	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 13:18	1
Methyl acetate	ND		2.5		ug/L			04/11/21 13:18	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 13:18	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 13:18	1
o-Xylene	ND		1.0		ug/L			04/11/21 13:18	1
Styrene	ND		1.0		ug/L			04/11/21 13:18	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 13:18	1
Toluene	ND		1.0		ug/L			04/11/21 13:18	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 13:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 13:18	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 13:18	1
Trichloroethene	ND		1.0		ug/L			04/11/21 13:18	1

Client Sample ID: MW-3R

Date Collected: 04/09/21 10:58
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 13:18	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 13:18	1
Vinyl chloride	ND		1.0		ug/L			04/11/21 13:18	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*04/11/21 13:18*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/11/21 13:18*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*04/11/21 13:18*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/11/21 13:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:29	1
Barium	**0.029**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:29	1
Boron	**0.14**		0.020		mg/L		04/13/21 15:48	04/15/21 04:29	1
Chromium	**0.24**		0.0040		mg/L		04/13/21 15:48	04/15/21 04:29	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:29	1
Manganese	ND		0.0030		mg/L		04/13/21 15:48	04/15/21 04:29	1
Potassium	**1.1**		0.50		mg/L		04/13/21 15:48	04/15/21 04:29	1
Sodium	**40.6**		1.0		mg/L		04/13/21 15:48	04/15/21 04:29	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0		mg/L			04/16/21 20:36	5
Chloride	**126**		2.5		mg/L			04/16/21 20:36	5
Sulfate	**318**		10.0		mg/L			04/16/21 20:36	5
Chemical Oxygen Demand	**19.7**		10.0		mg/L			04/14/21 18:12	1
Total Dissolved Solids	**606**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	**0.22**		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**3.4**		1.0		mg/L			04/14/21 09:02	1

Client Sample ID: MW-12

Date Collected: 04/09/21 16:02
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-3
Matrix: Water

Method: 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			04/11/21 13:39	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 13:39	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 13:39	1

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

Job ID: 480-183120-1

Client Sample ID: MW-12
Date Collected: 04/09/21 16:02
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 13:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 13:39	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 13:39	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:39	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 13:39	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 13:39	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:39	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 13:39	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 13:39	1
2-Hexanone	ND		5.0		ug/L			04/11/21 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 13:39	1
Acetone	ND		10		ug/L			04/11/21 13:39	1
Acetonitrile	ND		15		ug/L			04/11/21 13:39	1
Benzene	ND		1.0		ug/L			04/11/21 13:39	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 13:39	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 13:39	1
Bromoform	ND		1.0		ug/L			04/11/21 13:39	1
Bromomethane	ND		1.0		ug/L			04/11/21 13:39	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 13:39	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 13:39	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 13:39	1
Chloroethane	ND		1.0		ug/L			04/11/21 13:39	1
Chloroform	ND		1.0		ug/L			04/11/21 13:39	1
Chloromethane	ND		1.0		ug/L			04/11/21 13:39	1
cis-1,2-Dichloroethene	**5.1**		1.0		ug/L			04/11/21 13:39	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 13:39	1
Cyclohexane	ND		1.0		ug/L			04/11/21 13:39	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 13:39	1
Dibromomethane	ND		1.0		ug/L			04/11/21 13:39	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 13:39	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 13:39	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 13:39	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 13:39	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 13:39	1
Methyl acetate	ND		2.5		ug/L			04/11/21 13:39	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 13:39	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 13:39	1
o-Xylene	ND		1.0		ug/L			04/11/21 13:39	1
Styrene	ND		1.0		ug/L			04/11/21 13:39	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 13:39	1
Toluene	ND		1.0		ug/L			04/11/21 13:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 13:39	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 13:39	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 13:39	1
Trichloroethene	ND		1.0		ug/L			04/11/21 13:39	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 13:39	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 13:39	1
Vinyl chloride	**25**		1.0		ug/L			04/11/21 13:39	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 13:39	1

Client Sample ID: MW-12

Lab Sample ID: 480-183120-3

Date Collected: 04/09/21 16:02

Matrix: Water

Date Received: 04/09/21 17:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 13:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/11/21 13:39*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/11/21 13:39*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*04/11/21 13:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:32	1
Barium	**0.051**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:32	1
Boron	**0.17**		0.020		mg/L		04/13/21 15:48	04/15/21 04:32	1
Chromium	ND		0.0040		mg/L		04/13/21 15:48	04/15/21 04:32	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:32	1
Manganese	**0.24**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:32	1
Potassium	**4.6**		0.50		mg/L		04/13/21 15:48	04/15/21 04:32	1
Sodium	**83.8**		1.0		mg/L		04/13/21 15:48	04/15/21 04:32	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0		mg/L			04/16/21 20:50	5
Chloride	**144**		2.5		mg/L			04/16/21 20:50	5
Sulfate	**128**		10.0		mg/L			04/16/21 20:50	5
Chemical Oxygen Demand	**14.1**		10.0		mg/L			04/14/21 18:12	1
Total Dissolved Solids	**785**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	ND		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**3.2**		1.0		mg/L			04/14/21 09:47	1

Client Sample ID: MW-14N

Lab Sample ID: 480-183120-4

Date Collected: 04/09/21 13:27

Matrix: Water

Date Received: 04/09/21 17:00

Method: 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			04/11/21 14:01	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 14:01	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 14:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 14:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 14:01	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 14:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:01	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 14:01	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 14:01	1

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

Job ID: 480-183120-1

Client Sample ID: MW-14N
Date Collected: 04/09/21 13:27
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:01	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 14:01	1
2-Hexanone	ND		5.0		ug/L			04/11/21 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 14:01	1
Acetone	ND		10		ug/L			04/11/21 14:01	1
Acetonitrile	ND		15		ug/L			04/11/21 14:01	1
Benzene	ND		1.0		ug/L			04/11/21 14:01	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 14:01	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 14:01	1
Bromoform	ND		1.0		ug/L			04/11/21 14:01	1
Bromomethane	ND		1.0		ug/L			04/11/21 14:01	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 14:01	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 14:01	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 14:01	1
Chloroethane	ND		1.0		ug/L			04/11/21 14:01	1
Chloroform	ND		1.0		ug/L			04/11/21 14:01	1
Chloromethane	ND		1.0		ug/L			04/11/21 14:01	1
cis-1,2-Dichloroethene	**16**		1.0		ug/L			04/11/21 14:01	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:01	1
Cyclohexane	ND		1.0		ug/L			04/11/21 14:01	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 14:01	1
Dibromomethane	ND		1.0		ug/L			04/11/21 14:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 14:01	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 14:01	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 14:01	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 14:01	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 14:01	1
Methyl acetate	ND		2.5		ug/L			04/11/21 14:01	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 14:01	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 14:01	1
o-Xylene	ND		1.0		ug/L			04/11/21 14:01	1
Styrene	ND		1.0		ug/L			04/11/21 14:01	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 14:01	1
Toluene	ND		1.0		ug/L			04/11/21 14:01	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 14:01	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:01	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 14:01	1
Trichloroethene	ND		1.0		ug/L			04/11/21 14:01	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 14:01	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 14:01	1
Vinyl chloride	**2.3**		1.0		ug/L			04/11/21 14:01	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 14:01*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/11/21 14:01*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/11/21 14:01*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/11/21 14:01*	*1*

Client Sample ID: MW-14N

Lab Sample ID: 480-183120-4

Date Collected: 04/09/21 13:27

Matrix: Water

Date Received: 04/09/21 17:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:36	1
Barium	**0.12**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:36	1
Boron	**0.11**		0.020		mg/L		04/13/21 15:48	04/15/21 04:36	1
Chromium	ND		0.0040		mg/L		04/13/21 15:48	04/15/21 04:36	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:36	1
Manganese	**0.15**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:36	1
Potassium	**2.7**		0.50		mg/L		04/13/21 15:48	04/15/21 04:36	1
Sodium	**85.6**		1.0		mg/L		04/13/21 15:48	04/15/21 04:36	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0		mg/L			04/16/21 21:04	5
Chloride	**135**		2.5		mg/L			04/16/21 21:04	5
Sulfate	**230**		10.0		mg/L			04/16/21 21:04	5
Chemical Oxygen Demand	**25.2**		10.0		mg/L			04/14/21 18:12	1
Total Dissolved Solids	**1020**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	ND		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**3.4**		1.0		mg/L			04/14/21 10:02	1

Client Sample ID: MW-5R

Lab Sample ID: 480-183120-5

Date Collected: 04/09/21 13:10

Matrix: Water

Date Received: 04/09/21 17:00

Method: 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			04/11/21 14:23	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 14:23	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 14:23	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 14:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 14:23	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 14:23	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:23	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 14:23	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 14:23	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:23	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:23	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 14:23	1
2-Hexanone	ND		5.0		ug/L			04/11/21 14:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 14:23	1
Acetone	ND		10		ug/L			04/11/21 14:23	1

Client Sample ID: MW-5R
Date Collected: 04/09/21 13:10
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	ND		15		ug/L			04/11/21 14:23	1
Benzene	ND		1.0		ug/L			04/11/21 14:23	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 14:23	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 14:23	1
Bromoform	ND		1.0		ug/L			04/11/21 14:23	1
Bromomethane	ND		1.0		ug/L			04/11/21 14:23	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 14:23	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 14:23	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 14:23	1
Chloroethane	ND		1.0		ug/L			04/11/21 14:23	1
Chloroform	ND		1.0		ug/L			04/11/21 14:23	1
Chloromethane	ND		1.0		ug/L			04/11/21 14:23	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 14:23	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:23	1
Cyclohexane	ND		1.0		ug/L			04/11/21 14:23	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 14:23	1
Dibromomethane	ND		1.0		ug/L			04/11/21 14:23	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 14:23	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 14:23	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 14:23	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 14:23	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 14:23	1
Methyl acetate	ND		2.5		ug/L			04/11/21 14:23	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 14:23	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 14:23	1
o-Xylene	ND		1.0		ug/L			04/11/21 14:23	1
Styrene	ND		1.0		ug/L			04/11/21 14:23	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 14:23	1
Toluene	ND		1.0		ug/L			04/11/21 14:23	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 14:23	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:23	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 14:23	1
Trichloroethene	ND		1.0		ug/L			04/11/21 14:23	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 14:23	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 14:23	1
Vinyl chloride	ND		1.0		ug/L			04/11/21 14:23	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 14:23*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/11/21 14:23*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/11/21 14:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/11/21 14:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:40	1
Barium	**0.094**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:40	1
Boron	**0.19**		0.020		mg/L		04/13/21 15:48	04/15/21 04:40	1
Chromium	ND		0.0040		mg/L		04/13/21 15:48	04/15/21 04:40	1

Client Sample ID: MW-5R

Lab Sample ID: 480-183120-5

Date Collected: 04/09/21 13:10

Matrix: Water

Date Received: 04/09/21 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:40	1
Manganese	**0.30**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:40	1
Potassium	**22.6**		0.50		mg/L		04/13/21 15:48	04/15/21 04:40	1
Sodium	**78.1**		1.0		mg/L		04/13/21 15:48	04/15/21 04:40	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0		mg/L			04/16/21 21:18	5
Chloride	**94.6**		2.5		mg/L			04/16/21 21:18	5
Sulfate	**166**		10.0		mg/L			04/16/21 21:18	5
Chemical Oxygen Demand	**33.4**		10.0		mg/L			04/14/21 18:12	1
Total Dissolved Solids	**633**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	ND		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**5.9**		1.0		mg/L			04/14/21 10:18	1

Client Sample ID: Leachate

Lab Sample ID: 480-183120-6

Date Collected: 04/09/21 13:34

Matrix: Water

Date Received: 04/09/21 17:00

Method: 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			04/11/21 14:45	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 14:45	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 14:45	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 14:45	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 14:45	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:45	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 14:45	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 14:45	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:45	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 14:45	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 14:45	1
2-Hexanone	ND		5.0		ug/L			04/11/21 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 14:45	1
Acetone	ND		10		ug/L			04/11/21 14:45	1
Acetonitrile	ND		15		ug/L			04/11/21 14:45	1
Benzene	ND		1.0		ug/L			04/11/21 14:45	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 14:45	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 14:45	1

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

Job ID: 480-183120-1

Client Sample ID: Leachate
Date Collected: 04/09/21 13:34
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0		ug/L			04/11/21 14:45	1
Bromomethane	ND		1.0		ug/L			04/11/21 14:45	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 14:45	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 14:45	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 14:45	1
Chloroethane	ND		1.0		ug/L			04/11/21 14:45	1
Chloroform	ND		1.0		ug/L			04/11/21 14:45	1
Chloromethane	ND		1.0		ug/L			04/11/21 14:45	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 14:45	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:45	1
Cyclohexane	ND		1.0		ug/L			04/11/21 14:45	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 14:45	1
Dibromomethane	ND		1.0		ug/L			04/11/21 14:45	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 14:45	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 14:45	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 14:45	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 14:45	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 14:45	1
Methyl acetate	ND		2.5		ug/L			04/11/21 14:45	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 14:45	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 14:45	1
o-Xylene	ND		1.0		ug/L			04/11/21 14:45	1
Styrene	ND		1.0		ug/L			04/11/21 14:45	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 14:45	1
Toluene	ND		1.0		ug/L			04/11/21 14:45	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 14:45	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 14:45	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 14:45	1
Trichloroethene	ND		1.0		ug/L			04/11/21 14:45	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 14:45	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 14:45	1
Vinyl chloride	ND		1.0		ug/L			04/11/21 14:45	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/11/21 14:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/11/21 14:45*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/11/21 14:45*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*04/11/21 14:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:44	1
Barium	**0.092**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:44	1
Boron	**0.41**		0.020		mg/L		04/13/21 15:48	04/15/21 04:44	1
Chromium	**0.18**		0.0040		mg/L		04/13/21 15:48	04/15/21 04:44	1
Lead	**0.012**		0.010		mg/L		04/13/21 15:48	04/15/21 04:44	1
Manganese	**0.44**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:44	1
Potassium	**120**		0.50		mg/L		04/13/21 15:48	04/15/21 04:44	1
Sodium	**96.6**		1.0		mg/L		04/13/21 15:48	04/15/21 04:44	1

Client Sample ID: Leachate

Lab Sample ID: 480-183120-6

Date Collected: 04/09/21 13:34

Matrix: Water

Date Received: 04/09/21 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.026**		0.025		mg/L		04/13/21 15:48	04/15/21 04:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.8**		1.0		mg/L			04/16/21 21:32	5
Chloride	**174**		2.5		mg/L			04/16/21 21:32	5
Sulfate	**232**		10.0		mg/L			04/16/21 21:32	5
Chemical Oxygen Demand	ND	F1	10.0		mg/L			04/16/21 11:20	1
Total Dissolved Solids	**1050**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	**0.059**		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**11.4**		1.0		mg/L			04/14/21 10:34	1

Client Sample ID: SW-1

Lab Sample ID: 480-183120-7

Date Collected: 04/09/21 11:40

Matrix: Water

Date Received: 04/09/21 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1,1-Trichloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1,2-Trichloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1-Dichloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,1-Dichloroethene	ND		2.0		ug/L			04/11/21 15:08	2
1,2,3-Trichloropropane	ND		2.0		ug/L			04/11/21 15:08	2
1,2,4-Trichlorobenzene	ND		2.0		ug/L			04/11/21 15:08	2
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/11/21 15:08	2
1,2-Dibromoethane	ND		2.0		ug/L			04/11/21 15:08	2
1,2-Dichlorobenzene	ND		2.0		ug/L			04/11/21 15:08	2
1,2-Dichloroethane	ND		2.0		ug/L			04/11/21 15:08	2
1,2-Dichloropropane	ND		2.0		ug/L			04/11/21 15:08	2
1,3-Dichlorobenzene	ND		2.0		ug/L			04/11/21 15:08	2
1,4-Dichlorobenzene	ND		2.0		ug/L			04/11/21 15:08	2
2-Butanone (MEK)	ND	*+	20		ug/L			04/11/21 15:08	2
2-Hexanone	ND		10		ug/L			04/11/21 15:08	2
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/11/21 15:08	2
Acetone	ND		20		ug/L			04/11/21 15:08	2
Acetonitrile	ND		30		ug/L			04/11/21 15:08	2
Benzene	ND		2.0		ug/L			04/11/21 15:08	2
Bromochloromethane	ND		2.0		ug/L			04/11/21 15:08	2
Bromodichloromethane	ND		2.0		ug/L			04/11/21 15:08	2
Bromoform	ND		2.0		ug/L			04/11/21 15:08	2
Bromomethane	ND		2.0		ug/L			04/11/21 15:08	2
Carbon disulfide	ND		2.0		ug/L			04/11/21 15:08	2
Carbon tetrachloride	ND		2.0		ug/L			04/11/21 15:08	2

Client Sample ID: SW-1
Date Collected: 04/09/21 11:40
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2.0		ug/L			04/11/21 15:08	2
Chloroethane	ND		2.0		ug/L			04/11/21 15:08	2
Chloroform	ND		2.0		ug/L			04/11/21 15:08	2
Chloromethane	ND		2.0		ug/L			04/11/21 15:08	2
cis-1,2-Dichloroethene	ND		2.0		ug/L			04/11/21 15:08	2
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/11/21 15:08	2
Cyclohexane	ND		2.0		ug/L			04/11/21 15:08	2
Dibromochloromethane	ND		2.0		ug/L			04/11/21 15:08	2
Dibromomethane	ND		2.0		ug/L			04/11/21 15:08	2
Dichlorodifluoromethane	ND		2.0		ug/L			04/11/21 15:08	2
Ethylbenzene	ND		2.0		ug/L			04/11/21 15:08	2
Iodomethane	ND	*-	2.0		ug/L			04/11/21 15:08	2
Isopropylbenzene	ND		2.0		ug/L			04/11/21 15:08	2
m,p-Xylene	ND		4.0		ug/L			04/11/21 15:08	2
Methyl acetate	ND		5.0		ug/L			04/11/21 15:08	2
Methylcyclohexane	ND		2.0		ug/L			04/11/21 15:08	2
Methylene Chloride	ND		2.0		ug/L			04/11/21 15:08	2
o-Xylene	ND		2.0		ug/L			04/11/21 15:08	2
Styrene	ND		2.0		ug/L			04/11/21 15:08	2
Tetrachloroethene	ND		2.0		ug/L			04/11/21 15:08	2
Toluene	ND		2.0		ug/L			04/11/21 15:08	2
trans-1,2-Dichloroethene	ND		2.0		ug/L			04/11/21 15:08	2
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/11/21 15:08	2
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/11/21 15:08	2
Trichloroethene	ND		2.0		ug/L			04/11/21 15:08	2
Trichlorofluoromethane	ND		2.0		ug/L			04/11/21 15:08	2
Vinyl acetate	ND		10		ug/L			04/11/21 15:08	2
Vinyl chloride	ND		2.0		ug/L			04/11/21 15:08	2
Xylenes, Total	ND		4.0		ug/L			04/11/21 15:08	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 15:08*	*2*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/11/21 15:08*	*2*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/11/21 15:08*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*04/11/21 15:08*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 04:47	1
Barium	**0.079**		0.0020		mg/L		04/13/21 15:48	04/15/21 04:47	1
Boron	**0.12**		0.020		mg/L		04/13/21 15:48	04/15/21 04:47	1
Chromium	**0.021**		0.0040		mg/L		04/13/21 15:48	04/15/21 04:47	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 04:47	1
Manganese	**1.0**		0.0030		mg/L		04/13/21 15:48	04/15/21 04:47	1
Potassium	**10.5**		0.50		mg/L		04/13/21 15:48	04/15/21 04:47	1
Sodium	**43.1**		1.0		mg/L		04/13/21 15:48	04/15/21 04:47	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 04:47	1

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

Job ID: 480-183120-1

Client Sample ID: SW-1

Lab Sample ID: 480-183120-7

Date Collected: 04/09/21 11:40
Matrix: Water
Date Received: 04/09/21 17:00

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			04/16/21 21:46	1
Chloride	**26.3**		0.50		mg/L			04/16/21 21:46	1
Sulfate	**51.6**		2.0		mg/L			04/16/21 21:46	1
Chemical Oxygen Demand	**82.7**		10.0		mg/L			04/16/21 11:20	1
Total Dissolved Solids	**567**		10.0		mg/L			04/14/21 10:45	1
Cr (VI)	ND		0.010		mg/L			04/10/21 10:40	1
Total Organic Carbon	**26.1**		1.0		mg/L			04/14/21 10:49	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-183120-8

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/09/21 17:00

Method: 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			04/11/21 15:31	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 15:31	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 15:31	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 15:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 15:31	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 15:31	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 15:31	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 15:31	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 15:31	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 15:31	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 15:31	1
2-Butanone (MEK)	ND	*+	10		ug/L			04/11/21 15:31	1
2-Hexanone	ND		5.0		ug/L			04/11/21 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 15:31	1
Acetone	ND		10		ug/L			04/11/21 15:31	1
Acetonitrile	ND		15		ug/L			04/11/21 15:31	1
Benzene	ND		1.0		ug/L			04/11/21 15:31	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 15:31	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 15:31	1
Bromoform	ND		1.0		ug/L			04/11/21 15:31	1
Bromomethane	ND		1.0		ug/L			04/11/21 15:31	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 15:31	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 15:31	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 15:31	1
Chloroethane	ND		1.0		ug/L			04/11/21 15:31	1
Chloroform	ND		1.0		ug/L			04/11/21 15:31	1
Chloromethane	ND		1.0		ug/L			04/11/21 15:31	1

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

Job ID: 480-183120-1

Client Sample ID: Trip Blank
Date Collected: 04/09/21 00:00
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 15:31	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 15:31	1
Cyclohexane	ND		1.0		ug/L			04/11/21 15:31	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 15:31	1
Dibromomethane	ND		1.0		ug/L			04/11/21 15:31	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 15:31	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 15:31	1
Iodomethane	ND	*-	1.0		ug/L			04/11/21 15:31	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 15:31	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 15:31	1
Methyl acetate	ND		2.5		ug/L			04/11/21 15:31	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 15:31	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 15:31	1
o-Xylene	ND		1.0		ug/L			04/11/21 15:31	1
Styrene	ND		1.0		ug/L			04/11/21 15:31	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 15:31	1
Toluene	ND		1.0		ug/L			04/11/21 15:31	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 15:31	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 15:31	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 15:31	1
Trichloroethene	ND		1.0		ug/L			04/11/21 15:31	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 15:31	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 15:31	1
Vinyl chloride	ND		1.0		ug/L			04/11/21 15:31	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/11/21 15:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/11/21 15:31*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/11/21 15:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/11/21 15:31*	*1*

Surrogate Summary

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

Job ID: 480-183120-1

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)
480-183120-1	BR-1	107	106	107	102
480-183120-2	MW-3R	110	105	108	103
480-183120-3	MW-12	107	100	104	101
480-183120-4	MW-14N	107	104	106	102
480-183120-5	MW-5R	107	104	107	102
480-183120-6	Leachate	108	96	101	104
480-183120-7	SW-1	107	104	107	99
480-183120-8	Trip Blank	108	101	106	103
LCS 480-575887/5	Lab Control Sample	101	101	102	99
LCSD 480-575887/6	Lab Control Sample Dup	97	104	104	97
MB 480-575887/8	Method Blank	107	101	105	100

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 480-575887/8
Matrix: Water
Analysis Batch: 575887

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			04/11/21 11:56	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,1-Dichloroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,1-Dichloroethene	ND		1.0		ug/L			04/11/21 11:56	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/11/21 11:56	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/11/21 11:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/11/21 11:56	1
1,2-Dibromoethane	ND		1.0		ug/L			04/11/21 11:56	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/11/21 11:56	1
1,2-Dichloroethane	ND		1.0		ug/L			04/11/21 11:56	1
1,2-Dichloropropane	ND		1.0		ug/L			04/11/21 11:56	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/11/21 11:56	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/11/21 11:56	1
2-Butanone (MEK)	ND		10		ug/L			04/11/21 11:56	1
2-Hexanone	ND		5.0		ug/L			04/11/21 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			04/11/21 11:56	1
Acetone	ND		10		ug/L			04/11/21 11:56	1
Acetonitrile	ND		15		ug/L			04/11/21 11:56	1
Benzene	ND		1.0		ug/L			04/11/21 11:56	1
Bromochloromethane	ND		1.0		ug/L			04/11/21 11:56	1
Bromodichloromethane	ND		1.0		ug/L			04/11/21 11:56	1
Bromoform	ND		1.0		ug/L			04/11/21 11:56	1
Bromomethane	ND		1.0		ug/L			04/11/21 11:56	1
Carbon disulfide	ND		1.0		ug/L			04/11/21 11:56	1
Carbon tetrachloride	ND		1.0		ug/L			04/11/21 11:56	1
Chlorobenzene	ND		1.0		ug/L			04/11/21 11:56	1
Chloroethane	ND		1.0		ug/L			04/11/21 11:56	1
Chloroform	ND		1.0		ug/L			04/11/21 11:56	1
Chloromethane	ND		1.0		ug/L			04/11/21 11:56	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 11:56	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 11:56	1
Cyclohexane	ND		1.0		ug/L			04/11/21 11:56	1
Dibromochloromethane	ND		1.0		ug/L			04/11/21 11:56	1
Dibromomethane	ND		1.0		ug/L			04/11/21 11:56	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/11/21 11:56	1
Ethylbenzene	ND		1.0		ug/L			04/11/21 11:56	1
Iodomethane	ND		1.0		ug/L			04/11/21 11:56	1
Isopropylbenzene	ND		1.0		ug/L			04/11/21 11:56	1
m,p-Xylene	ND		2.0		ug/L			04/11/21 11:56	1
Methyl acetate	ND		2.5		ug/L			04/11/21 11:56	1
Methylcyclohexane	ND		1.0		ug/L			04/11/21 11:56	1
Methylene Chloride	ND		1.0		ug/L			04/11/21 11:56	1
o-Xylene	ND		1.0		ug/L			04/11/21 11:56	1
Styrene	ND		1.0		ug/L			04/11/21 11:56	1
Tetrachloroethene	ND		1.0		ug/L			04/11/21 11:56	1

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

Lab Sample ID: MB 480-575887/8
Matrix: Water
Analysis Batch: 575887

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			04/11/21 11:56	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/11/21 11:56	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			04/11/21 11:56	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			04/11/21 11:56	1
Trichloroethene	ND		1.0		ug/L			04/11/21 11:56	1
Trichlorofluoromethane	ND		1.0		ug/L			04/11/21 11:56	1
Vinyl acetate	ND		5.0		ug/L			04/11/21 11:56	1
Vinyl chloride	ND		1.0		ug/L			04/11/21 11:56	1
Xylenes, Total	ND		2.0		ug/L			04/11/21 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/11/21 11:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/11/21 11:56*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/11/21 11:56*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*04/11/21 11:56*	*1*

Lab Sample ID: LCS 480-575887/5
Matrix: Water
Analysis Batch: 575887

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	22.5		ug/L		90	80 - 120
1,1,1-Trichloroethane	25.0	21.2		ug/L		85	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.8		ug/L		79	61 - 148
1,1,2-Trichloroethane	25.0	22.3		ug/L		89	76 - 122
1,1-Dichloroethane	25.0	20.8		ug/L		83	77 - 120
1,1-Dichloroethene	25.0	19.2		ug/L		77	66 - 127
1,2,3-Trichloropropane	25.0	23.3		ug/L		93	68 - 122
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	22.4		ug/L		89	77 - 120
1,2-Dichlorobenzene	25.0	21.6		ug/L		86	80 - 124
1,2-Dichloroethane	25.0	19.9		ug/L		80	75 - 120
1,2-Dichloropropane	25.0	21.2		ug/L		85	76 - 120
1,3-Dichlorobenzene	25.0	21.6		ug/L		86	77 - 120
1,4-Dichlorobenzene	25.0	21.0		ug/L		84	80 - 120
2-Butanone (MEK)	125	190	*+	ug/L		152	57 - 140
2-Hexanone	125	114		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Acetonitrile	250	290		ug/L		116	65 - 129
Benzene	25.0	20.7		ug/L		83	71 - 124
Bromochloromethane	25.0	20.7		ug/L		83	72 - 130
Bromodichloromethane	25.0	22.0		ug/L		88	80 - 122
Bromoform	25.0	24.7		ug/L		99	61 - 132
Bromomethane	25.0	18.1		ug/L		72	55 - 144
Carbon disulfide	25.0	20.3		ug/L		81	59 - 134

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

Lab Sample ID: LCS 480-575887/5
Matrix: Water
Analysis Batch: 575887

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	21.2		ug/L		85	80 - 120
Chloroethane	25.0	18.9		ug/L		76	69 - 136
Chloroform	25.0	19.9		ug/L		80	73 - 127
Chloromethane	25.0	19.6		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	20.3		ug/L		81	74 - 124
cis-1,3-Dichloropropene	25.0	23.9		ug/L		96	74 - 124
Cyclohexane	25.0	20.8		ug/L		83	59 - 135
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Dibromomethane	25.0	21.7		ug/L		87	76 - 127
Dichlorodifluoromethane	25.0	24.9		ug/L		99	59 - 135
Ethylbenzene	25.0	21.7		ug/L		87	77 - 123
Iodomethane	25.0	19.6		ug/L		78	78 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
m,p-Xylene	25.0	22.3		ug/L		89	76 - 122
Methyl acetate	50.0	39.0		ug/L		78	74 - 133
Methylcyclohexane	25.0	22.4		ug/L		89	68 - 134
Methylene Chloride	25.0	21.1		ug/L		84	75 - 124
o-Xylene	25.0	22.4		ug/L		90	76 - 122
Styrene	25.0	23.6		ug/L		94	80 - 120
Tetrachloroethene	25.0	20.7		ug/L		83	74 - 122
Toluene	25.0	21.7		ug/L		87	80 - 122
trans-1,2-Dichloroethene	25.0	20.0		ug/L		80	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120
trans-1,4-Dichloro-2-butene	25.0	21.9		ug/L		88	41 - 131
Trichloroethene	25.0	20.8		ug/L		83	74 - 123
Trichlorofluoromethane	25.0	22.7		ug/L		91	62 - 150
Vinyl acetate	50.0	49.9		ug/L		100	50 - 144
Vinyl chloride	25.0	21.4		ug/L		86	65 - 133

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

Lab Sample ID: LCSD 480-575887/6
Matrix: Water
Analysis Batch: 575887

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	21.4		ug/L		86	80 - 120	5	20
1,1,1-Trichloroethane	25.0	19.5		ug/L		78	73 - 126	9	15
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	18.0		ug/L		72	61 - 148	10	20
1,1,2-Trichloroethane	25.0	21.9		ug/L		88	76 - 122	2	15
1,1-Dichloroethane	25.0	19.5		ug/L		78	77 - 120	7	20
1,1-Dichloroethene	25.0	17.5		ug/L		70	66 - 127	9	16

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

Lab Sample ID: LCSD 480-575887/6
Matrix: Water
Analysis Batch: 575887

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	22.8		ug/L		91	68 - 122	2	14
1,2,4-Trichlorobenzene	25.0	21.6		ug/L		86	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134	3	15
1,2-Dibromoethane	25.0	22.3		ug/L		89	77 - 120	0	15
1,2-Dichlorobenzene	25.0	21.4		ug/L		86	80 - 124	1	20
1,2-Dichloroethane	25.0	18.8		ug/L		75	75 - 120	6	20
1,2-Dichloropropane	25.0	20.4		ug/L		82	76 - 120	4	20
1,3-Dichlorobenzene	25.0	21.3		ug/L		85	77 - 120	1	20
1,4-Dichlorobenzene	25.0	20.9		ug/L		84	80 - 120	1	20
2-Butanone (MEK)	125	184	*+	ug/L		148	57 - 140	3	20
2-Hexanone	125	116		ug/L		93	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		85	71 - 125	2	35
Acetone	125	114		ug/L		91	56 - 142	4	15
Acetonitrile	250	252		ug/L		101	65 - 129	14	20
Benzene	25.0	19.4		ug/L		77	71 - 124	7	13
Bromochloromethane	25.0	19.8		ug/L		79	72 - 130	4	15
Bromodichloromethane	25.0	21.1		ug/L		84	80 - 122	4	15
Bromoform	25.0	24.2		ug/L		97	61 - 132	2	15
Bromomethane	25.0	15.9		ug/L		64	55 - 144	13	15
Carbon disulfide	25.0	18.2		ug/L		73	59 - 134	11	15
Carbon tetrachloride	25.0	21.2		ug/L		85	72 - 134	9	15
Chlorobenzene	25.0	20.9		ug/L		84	80 - 120	1	25
Chloroethane	25.0	17.3		ug/L		69	69 - 136	9	15
Chloroform	25.0	19.0		ug/L		76	73 - 127	5	20
Chloromethane	25.0	19.0		ug/L		76	68 - 124	3	15
cis-1,2-Dichloroethene	25.0	18.9		ug/L		76	74 - 124	7	15
cis-1,3-Dichloropropene	25.0	22.8		ug/L		91	74 - 124	5	15
Cyclohexane	25.0	18.7		ug/L		75	59 - 135	11	20
Dibromochloromethane	25.0	23.1		ug/L		93	75 - 125	1	15
Dibromomethane	25.0	20.7		ug/L		83	76 - 127	5	15
Dichlorodifluoromethane	25.0	22.7		ug/L		91	59 - 135	9	20
Ethylbenzene	25.0	21.1		ug/L		84	77 - 123	3	15
Iodomethane	25.0	18.2	*-	ug/L		73	78 - 123	7	20
Isopropylbenzene	25.0	22.4		ug/L		90	77 - 122	3	20
m,p-Xylene	25.0	21.2		ug/L		85	76 - 122	5	16
Methyl acetate	50.0	37.7		ug/L		75	74 - 133	3	20
Methylcyclohexane	25.0	20.3		ug/L		81	68 - 134	10	20
Methylene Chloride	25.0	19.9		ug/L		80	75 - 124	6	15
o-Xylene	25.0	22.0		ug/L		88	76 - 122	2	16
Styrene	25.0	23.1		ug/L		92	80 - 120	2	20
Tetrachloroethene	25.0	19.9		ug/L		80	74 - 122	4	20
Toluene	25.0	20.8		ug/L		83	80 - 122	5	15
trans-1,2-Dichloroethene	25.0	18.7		ug/L		75	73 - 127	7	20
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120	2	15
trans-1,4-Dichloro-2-butene	25.0	22.6		ug/L		90	41 - 131	3	20
Trichloroethene	25.0	19.4		ug/L		77	74 - 123	7	16
Trichlorofluoromethane	25.0	20.0		ug/L		80	62 - 150	13	20
Vinyl acetate	50.0	48.4		ug/L		97	50 - 144	3	23
Vinyl chloride	25.0	19.8		ug/L		79	65 - 133	8	15

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

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

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-576186/1-A
Matrix: Water
Analysis Batch: 576445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		04/13/21 15:48	04/15/21 03:00	1
Barium	ND		0.0020		mg/L		04/13/21 15:48	04/15/21 03:00	1
Chromium	ND		0.0040		mg/L		04/13/21 15:48	04/15/21 03:00	1
Lead	ND		0.010		mg/L		04/13/21 15:48	04/15/21 03:00	1
Manganese	ND		0.0030		mg/L		04/13/21 15:48	04/15/21 03:00	1
Selenium	ND		0.025		mg/L		04/13/21 15:48	04/15/21 03:00	1

Lab Sample ID: MB 480-576186/1-A
Matrix: Water
Analysis Batch: 576868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.020		mg/L		04/13/21 15:48	04/16/21 12:37	1
Potassium	ND		0.50		mg/L		04/13/21 15:48	04/16/21 12:37	1
Sodium	ND		1.0		mg/L		04/13/21 15:48	04/16/21 12:37	1

Lab Sample ID: LCS 480-576186/2-A
Matrix: Water
Analysis Batch: 576445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.198		mg/L		99	80 - 120
Barium	0.200	0.214		mg/L		107	80 - 120
Chromium	0.200	0.210		mg/L		105	80 - 120
Lead	0.200	0.185		mg/L		93	80 - 120
Manganese	0.200	0.207		mg/L		104	80 - 120
Selenium	0.200	0.200		mg/L		100	80 - 120

Lab Sample ID: LCS 480-576186/2-A
Matrix: Water
Analysis Batch: 576868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.200	0.202		mg/L		101	80 - 120
Potassium	10.0	10.16		mg/L		102	80 - 120
Sodium	10.0	10.08		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-576146/1-A
Matrix: Water
Analysis Batch: 576207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/13/21 13:26	04/13/21 17:39	1

Lab Sample ID: LCS 480-576146/2-A
Matrix: Water
Analysis Batch: 576207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00702		mg/L		105	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-576677/4
Matrix: Water
Analysis Batch: 576677

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20		mg/L			04/16/21 17:32	1
Chloride	ND		0.50		mg/L			04/16/21 17:32	1
Sulfate	ND		2.0		mg/L			04/16/21 17:32	1

Lab Sample ID: LCS 480-576677/3
Matrix: Water
Analysis Batch: 576677

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	5.00	4.94		mg/L		99	90 - 110
Chloride	50.0	49.00		mg/L		98	90 - 110
Sulfate	50.0	48.20		mg/L		96	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 480-576473/76
Matrix: Water
Analysis Batch: 576473

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			04/14/21 18:12	1

Lab Sample ID: LCS 480-576473/77
Matrix: Water
Analysis Batch: 576473

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	26.72		mg/L		107	90 - 110

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 480-576758/76
Matrix: Water
Analysis Batch: 576758

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			04/16/21 11:20	1

Lab Sample ID: LCS 480-576758/77
Matrix: Water
Analysis Batch: 576758

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	23.95		mg/L		96	90 - 110

Lab Sample ID: 480-183120-6 MS
Matrix: Water
Analysis Batch: 576758

Client Sample ID: Leachate
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	75.0	47.91	F1	mg/L		64	75 - 125

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

Lab Sample ID: MB 480-576297/1
Matrix: Water
Analysis Batch: 576297

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			04/14/21 10:45	1

Lab Sample ID: LCS 480-576297/2
Matrix: Water
Analysis Batch: 576297

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	492.0		mg/L		98	85 - 115

Lab Sample ID: 480-183120-1 DU
Matrix: Water
Analysis Batch: 576297

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	405		438.0		mg/L		8	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 480-575865/3
Matrix: Water
Analysis Batch: 575865

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			04/10/21 10:40	1

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 480-575865/4
Matrix: Water
Analysis Batch: 575865

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	0.0478		mg/L		96	85 - 115		

Lab Sample ID: 480-183120-3 MS
Matrix: Water
Analysis Batch: 575865

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		
Cr (VI)	ND		0.0500	0.0490		mg/L		98	85 - 115		

Lab Sample ID: 480-183120-6 MS
Matrix: Water
Analysis Batch: 575865

Client Sample ID: Leachate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cr (VI)	0.059		0.0500	0.102		mg/L		85	85 - 115		

Lab Sample ID: 480-183120-1 DU
Matrix: Water
Analysis Batch: 575865

Client Sample ID: 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: 480-183120-2 DU
Matrix: Water
Analysis Batch: 575865

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	0.22			0.217		mg/L				0	15

Lab Sample ID: 480-183120-4 DU
Matrix: Water
Analysis Batch: 575865

Client Sample ID: MW-14N
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: 480-183120-5 DU
Matrix: Water
Analysis Batch: 575865

Client Sample ID: MW-5R
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: 480-183120-6 DU
Matrix: Water
Analysis Batch: 575865

Client Sample ID: Leachate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cr (VI)	0.059			0.0603		mg/L				2	15

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

Job ID: 480-183120-1

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: 480-183120-7 DU
Matrix: Water
Analysis Batch: 575865

Client Sample ID: SW-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

Method: SM 5310C - TOC

Lab Sample ID: MB 480-576328/27
Matrix: Water
Analysis Batch: 576328

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			04/14/21 02:25	1

Lab Sample ID: MB 480-576328/51
Matrix: Water
Analysis Batch: 576328

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			04/14/21 08:32	1

Lab Sample ID: LCS 480-576328/28
Matrix: Water
Analysis Batch: 576328

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	61.07		mg/L		102	90 - 110		

Lab Sample ID: LCS 480-576328/52
Matrix: Water
Analysis Batch: 576328

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	60.44		mg/L		101	90 - 110		

Lab Sample ID: 480-183120-2 MS
Matrix: Water
Analysis Batch: 576328

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		
Total Organic Carbon	3.4		22.7	28.77		mg/L		111	54 - 131		

Lab Sample ID: 480-183120-2 MSD
Matrix: Water
Analysis Batch: 576328

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	3.4		22.7	28.84		mg/L		112	54 - 131	0	20

GC/MS VOA

Analysis Batch: 575887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	8260C	
480-183120-2	MW-3R	Total/NA	Water	8260C	
480-183120-3	MW-12	Total/NA	Water	8260C	
480-183120-4	MW-14N	Total/NA	Water	8260C	
480-183120-5	MW-5R	Total/NA	Water	8260C	
480-183120-6	Leachate	Total/NA	Water	8260C	
480-183120-7	SW-1	Total/NA	Water	8260C	
480-183120-8	Trip Blank	Total/NA	Water	8260C	
MB 480-575887/8	Method Blank	Total/NA	Water	8260C	
LCS 480-575887/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-575887/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Metals

Prep Batch: 576146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	7470A	
480-183120-2	MW-3R	Total/NA	Water	7470A	
480-183120-3	MW-12	Total/NA	Water	7470A	
480-183120-4	MW-14N	Total/NA	Water	7470A	
480-183120-5	MW-5R	Total/NA	Water	7470A	
480-183120-6	Leachate	Total/NA	Water	7470A	
480-183120-7	SW-1	Total/NA	Water	7470A	
MB 480-576146/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-576146/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 576186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	3005A	
480-183120-2	MW-3R	Total/NA	Water	3005A	
480-183120-3	MW-12	Total/NA	Water	3005A	
480-183120-4	MW-14N	Total/NA	Water	3005A	
480-183120-5	MW-5R	Total/NA	Water	3005A	
480-183120-6	Leachate	Total/NA	Water	3005A	
480-183120-7	SW-1	Total/NA	Water	3005A	
MB 480-576186/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-576186/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 576207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	7470A	576146
480-183120-2	MW-3R	Total/NA	Water	7470A	576146
480-183120-3	MW-12	Total/NA	Water	7470A	576146
480-183120-4	MW-14N	Total/NA	Water	7470A	576146
480-183120-5	MW-5R	Total/NA	Water	7470A	576146
480-183120-6	Leachate	Total/NA	Water	7470A	576146
480-183120-7	SW-1	Total/NA	Water	7470A	576146
MB 480-576146/1-A	Method Blank	Total/NA	Water	7470A	576146
LCS 480-576146/2-A	Lab Control Sample	Total/NA	Water	7470A	576146

Metals

Analysis Batch: 576445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	6010C	576186
480-183120-2	MW-3R	Total/NA	Water	6010C	576186
480-183120-3	MW-12	Total/NA	Water	6010C	576186
480-183120-4	MW-14N	Total/NA	Water	6010C	576186
480-183120-5	MW-5R	Total/NA	Water	6010C	576186
480-183120-6	Leachate	Total/NA	Water	6010C	576186
480-183120-7	SW-1	Total/NA	Water	6010C	576186
MB 480-576186/1-A	Method Blank	Total/NA	Water	6010C	576186
LCS 480-576186/2-A	Lab Control Sample	Total/NA	Water	6010C	576186

Analysis Batch: 576868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	6010C	576186
MB 480-576186/1-A	Method Blank	Total/NA	Water	6010C	576186
LCS 480-576186/2-A	Lab Control Sample	Total/NA	Water	6010C	576186

General Chemistry

Analysis Batch: 575865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	SM 3500 CR B	
480-183120-2	MW-3R	Total/NA	Water	SM 3500 CR B	
480-183120-3	MW-12	Total/NA	Water	SM 3500 CR B	
480-183120-4	MW-14N	Total/NA	Water	SM 3500 CR B	
480-183120-5	MW-5R	Total/NA	Water	SM 3500 CR B	
480-183120-6	Leachate	Total/NA	Water	SM 3500 CR B	
480-183120-7	SW-1	Total/NA	Water	SM 3500 CR B	
MB 480-575865/3	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 480-575865/4	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
480-183120-3 MS	MW-12	Total/NA	Water	SM 3500 CR B	
480-183120-6 MS	Leachate	Total/NA	Water	SM 3500 CR B	
480-183120-1 DU	BR-1	Total/NA	Water	SM 3500 CR B	
480-183120-2 DU	MW-3R	Total/NA	Water	SM 3500 CR B	
480-183120-4 DU	MW-14N	Total/NA	Water	SM 3500 CR B	
480-183120-5 DU	MW-5R	Total/NA	Water	SM 3500 CR B	
480-183120-6 DU	Leachate	Total/NA	Water	SM 3500 CR B	
480-183120-7 DU	SW-1	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 576297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	SM 2540C	
480-183120-2	MW-3R	Total/NA	Water	SM 2540C	
480-183120-3	MW-12	Total/NA	Water	SM 2540C	
480-183120-4	MW-14N	Total/NA	Water	SM 2540C	
480-183120-5	MW-5R	Total/NA	Water	SM 2540C	
480-183120-6	Leachate	Total/NA	Water	SM 2540C	
480-183120-7	SW-1	Total/NA	Water	SM 2540C	
MB 480-576297/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-576297/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-183120-1 DU	BR-1	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 576328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	SM 5310C	
480-183120-2	MW-3R	Total/NA	Water	SM 5310C	
480-183120-3	MW-12	Total/NA	Water	SM 5310C	
480-183120-4	MW-14N	Total/NA	Water	SM 5310C	
480-183120-5	MW-5R	Total/NA	Water	SM 5310C	
480-183120-6	Leachate	Total/NA	Water	SM 5310C	
480-183120-7	SW-1	Total/NA	Water	SM 5310C	
MB 480-576328/27	Method Blank	Total/NA	Water	SM 5310C	
MB 480-576328/51	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-576328/28	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-576328/52	Lab Control Sample	Total/NA	Water	SM 5310C	
480-183120-2 MS	MW-3R	Total/NA	Water	SM 5310C	
480-183120-2 MSD	MW-3R	Total/NA	Water	SM 5310C	

Analysis Batch: 576473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	410.4	
480-183120-2	MW-3R	Total/NA	Water	410.4	
480-183120-3	MW-12	Total/NA	Water	410.4	
480-183120-4	MW-14N	Total/NA	Water	410.4	
480-183120-5	MW-5R	Total/NA	Water	410.4	
MB 480-576473/76	Method Blank	Total/NA	Water	410.4	
LCS 480-576473/77	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 576677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-1	BR-1	Total/NA	Water	300.0	
480-183120-2	MW-3R	Total/NA	Water	300.0	
480-183120-3	MW-12	Total/NA	Water	300.0	
480-183120-4	MW-14N	Total/NA	Water	300.0	
480-183120-5	MW-5R	Total/NA	Water	300.0	
480-183120-6	Leachate	Total/NA	Water	300.0	
480-183120-7	SW-1	Total/NA	Water	300.0	
MB 480-576677/4	Method Blank	Total/NA	Water	300.0	
LCS 480-576677/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 576758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183120-6	Leachate	Total/NA	Water	410.4	
480-183120-7	SW-1	Total/NA	Water	410.4	
MB 480-576758/76	Method Blank	Total/NA	Water	410.4	
LCS 480-576758/77	Lab Control Sample	Total/NA	Water	410.4	
480-183120-6 MS	Leachate	Total/NA	Water	410.4	

Lab Chronicle

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

Job ID: 480-183120-1

Client Sample ID: BR-1

Lab Sample ID: 480-183120-1

Date Collected: 04/09/21 12:06
Date Received: 04/09/21 17:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 12:55	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:14	LMH	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576868	04/16/21 12:45	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:00	BMB	TAL BUF
Total/NA	Analysis	300.0		5	576677	04/16/21 20:22	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576473	04/14/21 18:12	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 07:44	CLA	TAL BUF

Client Sample ID: MW-3R

Lab Sample ID: 480-183120-2

Date Collected: 04/09/21 10:58
Date Received: 04/09/21 17:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 13:18	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:29	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:01	BMB	TAL BUF
Total/NA	Analysis	300.0		5	576677	04/16/21 20:36	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576473	04/14/21 18:12	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 09:02	CLA	TAL BUF

Client Sample ID: MW-12

Lab Sample ID: 480-183120-3

Date Collected: 04/09/21 16:02
Date Received: 04/09/21 17:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 13:39	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:32	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:03	BMB	TAL BUF
Total/NA	Analysis	300.0		5	576677	04/16/21 20:50	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576473	04/14/21 18:12	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF

Lab Chronicle

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

Job ID: 480-183120-1

Client Sample ID: MW-12

Date Collected: 04/09/21 16:02
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 09:47	CLA	TAL BUF

Client Sample ID: MW-14N

Date Collected: 04/09/21 13:27
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 14:01	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:36	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:04	BMB	TAL BUF
Total/NA	Analysis	300.0		5	576677	04/16/21 21:04	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576473	04/14/21 18:12	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 10:02	CLA	TAL BUF

Client Sample ID: MW-5R

Date Collected: 04/09/21 13:10
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 14:23	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:40	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:05	BMB	TAL BUF
Total/NA	Analysis	300.0		5	576677	04/16/21 21:18	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576473	04/14/21 18:12	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 10:18	CLA	TAL BUF

Client Sample ID: Leachate

Date Collected: 04/09/21 13:34
Date Received: 04/09/21 17:00

Lab Sample ID: 480-183120-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 14:45	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:44	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:06	BMB	TAL BUF

Lab Chronicle

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

Job ID: 480-183120-1

Client Sample ID: Leachate

Lab Sample ID: 480-183120-6

Date Collected: 04/09/21 13:34
Matrix: Water
Date Received: 04/09/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	576677	04/16/21 21:32	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576758	04/16/21 11:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 10:34	CLA	TAL BUF

Client Sample ID: SW-1

Lab Sample ID: 480-183120-7

Date Collected: 04/09/21 11:40
Matrix: Water
Date Received: 04/09/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	575887	04/11/21 15:08	WJD	TAL BUF
Total/NA	Prep	3005A			576186	04/13/21 15:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	576445	04/15/21 04:47	LMH	TAL BUF
Total/NA	Prep	7470A			576146	04/13/21 13:26	BMB	TAL BUF
Total/NA	Analysis	7470A		1	576207	04/13/21 18:10	BMB	TAL BUF
Total/NA	Analysis	300.0		1	576677	04/16/21 21:46	IMZ	TAL BUF
Total/NA	Analysis	410.4		1	576758	04/16/21 11:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540C		1	576297	04/14/21 10:45	CSS	TAL BUF
Total/NA	Analysis	SM 3500 CR B		1	575865	04/10/21 10:40	CSS	TAL BUF
Total/NA	Analysis	SM 5310C		1	576328	04/14/21 10:49	CLA	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-183120-8

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/09/21 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575887	04/11/21 15:31	WJD	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: LAN Associates Inc
Job ID: 480-183120-1
Project/Site: Witmer Road G/W

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

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

Job ID: 480-183120-1

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

TAL BUF = Eurofins TestAmerica, 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: 480-183120-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-183120-1	BR-1	Water	04/09/21 12:06	04/09/21 17:00	
480-183120-2	MW-3R	Water	04/09/21 10:58	04/09/21 17:00	
480-183120-3	MW-12	Water	04/09/21 16:02	04/09/21 17:00	
480-183120-4	MW-14N	Water	04/09/21 13:27	04/09/21 17:00	
480-183120-5	MW-5R	Water	04/09/21 13:10	04/09/21 17:00	
480-183120-6	Leachate	Water	04/09/21 13:34	04/09/21 17:00	
480-183120-7	SW-1	Water	04/09/21 11:40	04/09/21 17:00	
480-183120-8	Trip Blank	Water	04/09/21 00:00	04/09/21 17:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: GJY/TJB	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158693-34887.1
Client Contact: ~~Gary Joiner~~ Chris Callegari	Phone: 716-473-8185	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ~~GC Metals and Alloys LLC~~ LAN Associates, Inc.	PWSID:			Job #:
Address: ~~PO BOX 247~~ 200 Malaga Street, Suite 3	Due Date Requested: STD			
City: ~~Calvert City~~ St. Augustine	TAT Requested (days): STD			
State, Zip: ~~KY, 42029~~ FL, 32084	Compliance Project: Δ Yes Δ No			
Phone: 904-343-3087(Tel) 904-824-0726(Fax)	PO #: Purchase Order not required			
Email: gjoiner@ccmetals.com cca llegari@lan-fl.com	WO #:			
Project Name: Witmer Road G/W/ Event Desc: Witmer Road G/W	Project #: 48003429			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
L - EDA Z - other (specify)
Other:

480-183120 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	SM5310D - TOC	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)							Total Number of contain	Special Instructions/Note:
Preservation Code:							N	S	D	A	A	N	N	N								
BR-1	4-9-21	1206	G	Water			X	X	X	X	X	X	-	X							10	
MW-3R		1058		Water																		
MW-12		1602		Water																		
MW-14N		1327		Water																		
MW-5R		1310		Water																		
Leachate		1334		Water																		
SW-1	4-9-21	1140	G	Water			X	X	X	X	X	X	-	X							10	
Trip Blank	-	-	-	Water							X										4	
				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
1		4-9-21 / 1703	BTL			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.1 A1 105

Ver: 11/01/2020

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-BR1
CLIENT:	LAN Associates Inc	JOB #:	2341.001.021
Weather Conditions:	Cloudy	Temperature:	60's

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

WATER LEVEL DATA

Static Water Level (fbTOR): @0947	11.28	Sample Date:	4/9/21
Measured Well Depth (fbTOR):	35.95	Sample Time:	1206
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	3.94	Purge Method:	Peristaltic
Total Volume Purged (gal.):	12.0		
Depth to water when sampled (feet):	11.8		

x3 = 11.84

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	0955	11.8	0.25	7.21	53.1	543	2.23	—	185	clear/no odor
2	1035	11.8	4.0	7.25	53.9	1080	0.33	—	-121	clear/sulfur
3	1117	11.8	8.0	7.33	54.6	1083	0.08	—	-111	clear/sulfur
4	1129	11.8	9.0	7.31	54.1	1080	0.31	—	-124	clear/sulfur
5	1139	11.8	10.0	7.30	53.5	1087	0.01	—	-129	clear/sulfur
6	1149	11.8	11.0	7.27	53.4	1083	0.08	—	-136	clear/sulfur
7	1154	11.8	11.5	7.30	53.5	1085	0.03	—	-134	clear/sulfur
8	1159	11.8	11.75	7.27	53.1	1083	0.0	—	-140	clear/sulfur
9	1204	11.8	12	7.26	53.2	1082	0.17	—	-144	clear/sulfur
10										
11										
12										

Sample Information:

S1	1206	11.8	12.0	7.26	53.2	1082	0.17	—	-144	clear/sulfur
S2										

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

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS: Purged @ 400 ml/min

Rev. 05/13 (MJK)

FIELD SAMPLING DATA SHEET

Barton & Loguidice

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-3R
CLIENT:	LAN Associates Inc	JOB #:	2341.001.021
Weather Conditions:	Overcast	Temperature:	64°

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

WATER LEVEL DATA

Static Water Level (fbTOR):	3.38	Sample Date:	4-9-21
Measured Well Depth (fbTOR):	11.94	Sample Time:	1058
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	1.40	Purge Method:	Peristaltic
Total Volume Purged (gal.):	4.75		
Depth to water when sampled:	5.12		

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: 325 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	0958	3.38	—	7.61	52.1	817	1.66	—	100	clear/none
2	1042	5.11	3.5	7.89	51.8	954	1.07	—	133	clear/none
3	1047	5.12	4.0	7.75	51.9	995	1.09	—	137	clear/none
4	1051	5.12	4.25	7.62	49.6	987	0.55	—	137	clear/none
5	1054	5.12	4.50	7.59	50.1	1004	1.04	—	141	clear/none
6	1057	5.12	4.75	7.56	49.4	997	0.95	—	142	clear/none
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1058	5.12	4.75	7.56	49.4	997	0.95	—	142	clear/no odor
S2										

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

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS:

Rev. 05/13 (MJK)

FIELD SAMPLING DATA SHEET

Barton & Loguidice

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-5R
CLIENT:	LAN Associates Inc	JOB #:	2341.001.021
Weather Conditions:	overcast	Temperature:	60's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	6.32	Sample Date:	4-9-21
Measured Well Depth (fbTOR):	19.85	Sample Time:	1310
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	2.21	Purge Method:	Peristaltic
Total Volume Purged (gal.):	7.0		
Depth to water when sampled:	17.57		

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: 375 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	1117	6.32	—	8.14	48.8	902	4.60	—	176	organic fines / no odor
2	1150	17.54	3.0	8.06	54.8	1065	3.10	—	71	fines/Bugs / no odor
3	1212	17.56	4.0	8.08	54.3	1019	4.06	—	22	fines/ Stale
4	1230	17.57	5.0	8.12	54.9	1010	0.35	—	40	fines/Stale
5	1258	17.57	6.5	8.14	55.3	1018	1.33	—	30	clear/Stale
6	1301	17.57	6.7	8.10	55.3	1022	0.37	—	16	clear/Stale
7	1305	17.57	6.8	8.04	54.5	1023	0.90	—	11	clear/Stale
8	1308	17.57	7.0	8.05	54.1	1025	0.41	—	7	clear/Stale
9										
10										
11										
12										

Sample Information:

S1	1308	17.57	7.0	8.05	54.1	1025	0.41	—	7	clear/Stale odor
S2										

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 #:	2341.001.021
Weather Conditions:	Overcast	Temperature:	60's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	9.05	Sample Date:	4-9-21
Measured Well Depth (fbTOR):	20.12	Sample Time:	1602
Well Casing Diameter (inches):	4	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	7.23 ~~7.84~~ 7.73	Purge Method:	Peristaltic
Total Volume Purged (gal.):	10.10		
Depth to water when sampled:	19.70		

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: 360 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	1408	9.05	—	7.85	55.2	1319	29.3	—	183	orange / none
2	1507	19.30	8.0	7.83	52.8	1327	65.0	—	85	Hazy / none
3	well	~~1855~~	went	dry	after	9.0	gallons		—	—
4	1545	19.5	9.5	7.67	52.8	1359	21.3	—	43	Hazy / none
5	1550	19.55	9.75	7.40	52.5	1364	23.7	—	36	Clear / Sulfur
6	1553	19.60	9.80	7.27	52.9	1361	16.2	—	36	Clear / Sulfur
7	1557	19.65	10.00	7.22	52.6	1360	15.3	—	38	Clear / Sulfur
8	1600	19.70	10.10	7.18	52.7	1364	12.6	—	37	Clear / Sulfur
9										
10										
11										
12										

Sample Information:

S1	1602	19.70	10.10	7.18	52.7	1364	12.6	—	37	Clear / Sulfur
S2										

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 #:	2341.001.021
Weather Conditions:	cloudy	Temperature:	60's

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

WATER LEVEL DATA

Static Water Level (fbTOR): @1220	7.86	Sample Date:	4/9/21
Measured Well Depth (fbTOR):	20.43	Sample Time:	1327
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	2.01	Purge Method:	Peristaltic
Total Volume Purged (gal.):	7.25		
Depth to water when sampled:	8.10		

x3 = 6.03 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: 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	1225	8.10	—	7.08	52.9	1503	17.6	—	70	Slight Haze/Fines/No odor
2	1239	8.10	2.0	7.06	54.6	1500	2.73	—	15	Clear/No odor
3	1258	8.10	4.0	7.00	54.4	1500	1.02	—	11	Clear/No Odor
4	1305	8.10	5.5	7.02	54.2	1501	1.20	—	9	Clear/No odor
5	1310	8.10	5.75	7.02	54.1	1500	0.67	—	-8	Clear/No odor
6	1315	8.10	6.0	7.07	53.7	1501	0.75	—	8	Clear/No odor
7	1320	8.10	6.5	7.02	53.5	1503	0.58	—	8	Clear/No odor
8	1325	8.10	7.0	7.04	53.4	1503	0.76	—	9	Clear/No odor
9										
10										
11										
12										

Sample Information:

S1	1327	8.10	7.0	7.04	53.4	1503	0.76	—	9	Clear/
S2										No odor

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

Samples Delivered to: Eurofins Test America Date: Time:

COMMENTS: Low flow purged @ 400 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 #:**	2341.001.021
Weather Conditions:	Overcast	Temperature:	60s

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: TJB/GJY Time: 1140 Date: 4-9-21

SAMPLING DATA

Sample Appearance

Color: yellow/green tint Sediment: organic fines

Odor: none

Field Measured Parameters

pH (Standard Units)	7.70	Sp. Conductivity (umhos/cm)	544
Temperature (F)	59.3	Eh-Redox Potential (mV)	185
Turbidity (NTU)	9.04	Dissolved Oxygen (mg/L)	4.36

Samples Collected (Number/Type):

Site specific parameters- 10 Bottles

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

COMMENTS:

Rev. 3/14 (MPS)

FIELD SAMPLING DATA SHEET

Barton & Loguidice

SITE:	CCMA - Witmer Rd	**SAMPLE LOCATION:**	LS-1
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.021
Weather Conditions:	Overcast	Temperature:	60'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: TJB/GJY Time: 1334 Date: 4-9-21

SAMPLING DATA

Sample Appearance
Color: clear Sediment: none
Odor: none

Field Measured Parameters

pH (Standard Units)	7.97	Sp. Conductivity (umhos/cm)	1715
Temperature (F)	55.9	Eh-Redox Potential (mV)	147
Turbidity (NTU)	7.64	Dissolved Oxygen (mg/L)	—

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

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

COMMENTS:

Rev. 3/14 (MPS)

Calibration Record

Project No: 2341.001.021 Date: 4-9-21

Calibrated By: TJB Time: 0925

pH Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	4.00	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	7.00	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	10.02	(+/- 1.0 pH, ph 9.0 - 11.0)

Sp.Conductivity Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
7000 uS	7001	(+/- 1.0 % Error)

ORP Instrument Model:

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

Turbidimeter Model: LaMotte 2020we

Standard Solution	Calibration Reading	Acceptable Range
0.0	Blank	Blank 0.0 NTU
1.0	0.96	(0.5-1.5 NTU)
10.0	10.00	(8-12 NTU)

Dissolved Oxygen Meter Model: YSI EcoSense

Saturated Air	Air Pressure ~~(MB)~~	Calibration Reading	Acceptable Range
100%	29.91 inHg	100.7 V	(+/- 5.0% Error, 95-105%)

Comments ORP cal'd w/ pH

Barton & Loguidice

Calibration Record

Project No: 234.100.021 Date: 4/9/21

Calibrated By: GSP Time: 0925

pH Instrument Model: Myron 6P

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	3.92 → 4.00	(+/- 1.0 pH, pH 3.0 - 5.0) ✓
pH 7:	7.00 → 7.00	(+/- 1.5 pH, pH 5.5 - 8.5) ✓
pH 10:	9.91 → 10.00	(+/- 1.0 pH, ph 9.0 - 11.0) ✓

Sp.Conductivity Instrument Model: Myron 6P

Standard Solution	Calibration Reading	Acceptable Range
7000 uS	6975 → 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	0.91 → 1.00	(0.5-1.5 NTU) ✓
10.0	9.83 → 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

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: GJY/TJB	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158693-34887.1
Client Contact: ~~Gary Joiner~~ Chris Callegari	Phone: 716-473-8185	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ~~CC Metals and Alloys LLC~~ LAN Associates, Inc.	PWSID:			Job #:
Address: ~~PO BOX 217~~ 200 Malaga Street, Suite 3	Due Date Requested: STD			
City: ~~Calvert City~~ St. Augustine	TAT Requested (days): STD			
State, Zip: ~~KY, 42029~~ FL, 32084	Compliance Project: Δ Yes Δ No			
Phone: 904-343-3087(Tel) 904-824-0726(Fax)	PO #: Purchase Order not required			
Email: gjoiner@ccmetals.com callegari@lan-fl.com	WO #:			
Project Name: Witmer Road G/W/ Event Desc: Witmer Road G/W	Project #: 48003429			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	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	SM5310D - TOC	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	A	A	N	N	N		
BR-1	4-9-21	1206	G	Water			X	X	X	X	X	X	-	X	10	
MW-3R		1058		Water												
MW-12		1602		Water												
MW-14N		1327		Water												
MW-5R		1310		Water												
Leachate		1334		Water												
SW-1	4-9-21	1140	G	Water			X	X	X	X	X	X	-	X	10	
Trip Blank	~	~	~	Water							X				1	
				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: 4-9-21/1703	Company BTL	Received by:	Date/Time: 4/9/21 1703	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: LAN Associates Inc

Job Number: 480-183120-1

Login Number: 183120

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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	LAN
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

2021 Inspection Letter

LAN ASSOCIATES, INC.
ENVIRONMENTAL CONSULTING
ENGINEERING
PLANNING & ZONING

November 10, 2021

VIA EMAIL
ccobb@ccmetals.com

Mr. Chris Cobb
Plant Manager
CC Metals and Alloys, LLC
1542 North Main Street
Calvert City, KY 42029

Subject: Witmer Road Landfill
2021 Annual Inspection

Dear Mr. Cobb:

On behalf of CC Metals and Alloys, LLC (CCMA), LAN Associates, Inc. (LAN) performed the required annual inspection of the Witmer Road landfill located in Niagara Falls, New York on October 22, 2021. The landfill and surrounding area were thoroughly inspected for areas of concern that could impact the integrity of the landfill cover, groundwater and surface water quality, site security and access, and overall site conditions. A site plan with updated 2021 photos showing the wells and features related to the landfill is included following this narrative as Figure 1 – Site Plan. An inspection checklist was completed documenting the inspection and is included as Attachment A – Inspection Checklist & Recommendations. The site was found in good overall condition.

The landfill was mowed prior to the inspection. Overall, the vegetation was healthy and in good condition. Two areas were noted with woody trees encroaching into the landfill cells. These trees should be removed during next year's mowing. All wells were inspected and in good condition with the exception of MW BR-1. The well's pad/surface seal is broken and needs to be repaired. The overall function of the stormwater drainage system is hindered by vegetative cattail growth in the drainage swales. It is recommended to bushhog/mow the cattails during the next maintenance event. The sump collection tank at the eastern base of the landfills (LS-1) had damage to the mechanical components and wiring; however, that component is no longer necessary, therefore repairs to LS-1 are not needed. Fencing and gates are in very good condition, although herbicide treatment is recommended to maintain the vegetation climbing the fence. A willow tree in the northeast property corner should be pruned to protect the fence. In addition, there is a fallen willow tree that is recommended for removal/cutting. Photographic documentation of the site inspection is provided in Attachment B. The locations of recommended corrective actions are shown on Figure 2 – Corrective Action Map. All recommended corrective actions are proposed to take place in August/September 2022.

LAN is currently working on the 2021 Annual Report, which includes the findings of this inspection. The report will be submitted to NYSDEC this month. If you have any questions or concerns, please feel free to contact me.

Very truly yours,

Chris L. Callegari, P.G.
President

Report Includes:
Figure 1 - Site Plan
Figure 2 – Corrective Action Map
Attachment A - Inspection Checklist & Recommendations
Attachment B - Photographic Documentation

Figure 1

Site Plan

LEGEND:

- Monitoring Well
- Surface Water Sample
- Sump Sample

CELL 1

CELL 2

PROPERTY SUBDIVISION LINE

WITMER ROAD

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: 11/02/2020
Rev: 11/03/2021
Checked: GVD
Drawn: NWP
Scale 1"-150'

SITE PLAN

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

LAN ASSOCIATES, INC.
CONSULTING • ENGINEERING • PLANNING
88 RIBERIA ST., SUITE 400, ST. AUGUSTINE, FL 32084 (904)824-6999

FIGURE: 1

JOB NO. 2.3643.17.02

Figure 2

Corrective Action Map

P.E. Signature & Seal:

LAN Associates, Inc.
• Environmental Consulting
• Engineering
• Planning & Zoning

Corrective Action Map

CC Metals and Alloys, LLC
Witmer Road Landfill
Niagara, NY

Job No.: 2-3643-17
Creation Date: 11/04/2021

Scale: 1:3,000

0 75 150 300 Feet

Attachment A

Inspection Checklist & Recommendations

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

Date 10/22/21
Weather Conditions Cloudy 52°
Inspector Chris Callegari
P.# 2.3643.17.

CC Metals and Alloys, LLC
Witmer Road Landfill Inspection Checklist

~ 4248 Witmer Rd (Witmer Rd. & Maryland Ave.)

General Instructions

The inspector should note the various observations he/she makes under the various sections and questions. If any corrective actions need to be taken, they will be noted on the Checklist Of Recommended Corrective Actions, Page 4 of 4. If any unusual conditions are encountered during the inspections, they should be reported to the engineer (LAN Associates, Inc., 200 Malaga Street, St. Augustine, FL 32084, 904-824-6999).

Landfill Cover

1) Observe any areas on the cover that indicate signs of subsidence (e.g., obvious visible low spots on the cover surface where significant amounts of standing water can accumulate in puddles during significant precipitation events, check for the presence of large cracks on the surface of the cover, etc).

The landfill was mowed prior to inspection, there were no areas noted that had subsided, no standing water atop either landfill cell was observed

2) Check for erosional swales, washouts, etc. in the landfill cover caused by stormwater runoff. During windy conditions, observe any evidence of dust blowing off the cover.

It rained lightly on 10/21/21, the day prior to the inspection, NO erosion or washouts were observed or identified. As all material was damp, no dust was seen.

3) Inspect landfill vegetative cover for overall health and consistency. (e.g. check for bare spots in the vegetative cover.)

overall landfill vegitation was good, healthy and seemed in good condition. NO bare spots or distressed areas were observed, Vegitation consistency was very good.

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

Date 10/22/21
Weather Conditions Cloudy 52°
Inspector Chris Callegari
2.3643.17

4) Inspect vegetative cover for existence of unwanted woody species or the abnormal growth of weeds that may out-compete the natural vegetation.

Two areas were noted with woody trees encroaching into the landfill cell. One area had multiple in-mature trees and another with a single more mature tree. These trees are marked on the included map and are recomended to be removed.

Monitoring Wells and Sampling Locations

1) Check the general condition of the individual monitoring wells; make sure the bollards are intact (have not been knocked over by a vehicle), check for cracks on the concrete pad (monitor any minor cracks to ensure they do not widen and compromise the pad's integrity otherwise repairs may be necessary), make sure that the padlocks are in working condition (not stiff when unlocking the padlock), make sure that the plug on the PVC riser is present and that the threads are in good condition.

All wells were inspected, and are in ~~go~~ fair condition with the exception of MW BA1. This well has a broken/cracked well pad/surface seal. See photograph. A well repair is recomended.

2) Inspect the drainage flow control valve and piping system for functionality and condition (SW-1).

The flow control valve seems intact. The piping system between/connecting drainage collection areas seems to be functioning, however the ends of each drainage pipe are worn & frozed from routine maintenance activities. No repairs are recomended at this time, as the system is functioning.

3) Inspect the sump collection tank for cracks or any visible problems that may effect the integrity of the system (LS-1).

The mechanical and electrical components, likely associated with the alarm system, seem inoperable

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• PLANNING & ZONING

Date 10/22/21
Weather Conditions Cloudy 52°
Inspector Chris Callegari
2.3643.iT

Surface Water Drainage

1) Inspect the overall function of the surface water drainage system. Look for signs of erosion or subsidence that could lead to offsite surface water drainage or pooling water onsite.

The surface water drainage system looks in good condition, No unusual subsidance or erosion was noted.

2) Check all stormwater drainage systems (e.g. piping, manholes, drains) for overall function. Make sure there are no blockages or diversions.

Piping, manholes, vents & drains seem in fair condition. overall function is being hindered by vegitative cattail growth in stormwater drainage swales. It is recommended to bushhog/mow cattails during the next maintenance regulary scheduled event.

Property

1) Check the condition of fences and gates throughout the property.

All fencing is in very good condition, including gates, Posts and cross-nets, Herbicide treatment is recomended next maintaince Cycle to kill back the climing vegitation begining to grow in the fence. Also some tree pruning is recomended to protect the fence in the NE property corner (willow tree).

2) Conduct a thorough investigation of the entire site for any areas of concern.

Please see Site notes, Maps and photos/vedio for complete evaluation of property. A detailed inspection evaluation is provided within the field notes/maps/photos. These documents are attached to this inspection checklist. A fallen willow tree is also recomended for removal/cutting.

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

Date: 10/22/21
Weather Conditions: Cloudy 52°
Inspector: Chris Callegari

CC Metals and Alloys, LLC
Checklist of Recommended Corrective Actions

Item Number	Item	Recomended Action Taken	Reported Date of Correction	Signature
1	Repair MW BA-1 well Pad/Surface Seal.	Repair well Pad in 2022 after winter months, Prior to groundwater Sampling.	August/ September 2022	
2	Remove all trees growing into the landfill cells	Remove woody vegitation/Young trees growing into Landfill Cells in August/September 2022, during event mowing	August/ September 2022	
3	Bushhog/mow Cattails	Cut/mow/Bushog cattails growing in the stormwater drainage system in August/September dry season in conjuction with other needed Site work.	August/ September 2022	
4	Remove overhanging limbs from willow tree on fence	Prune overhanging willow limbs to protect the fence. Protective maintance to avoid fence repair from low limbs	August/ September 2022	
5	remove fallen willow tree	Cut & Remove fallen willow tree from site to avoid mating an area where routine maintenance cannot be done	August/ September 2022	
6	Herbicide application along/on fence	Apply herbicide along and on fence/ vegitation growing on/into fence as Precautionary maintenance & fence longevity.	August/ September 2022	

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200 Malaga Street, Suite 3
St. Augustine, FL 32084
Phone: (904) 824-6999 • FAX: (904) 824-0726
www.lan-fl.com

Job # 2,3643.17.
Prepared by: CLC
Date: 10/22/21
Checked by:
Page: 1 of: 2

NOTES/CALCULATION WORKSHEET

Witmer Road Anual Inspection:

Met Marc Lombardo w/ A1 LandCare on-site
Marc was gracious to have the site gate unlocked & open.
A1 LandCare recently performed the anual maintance/mowing.
Access to the site was gained at the main gate
off Witmer Road & Maryland Avenue. The entrance gate
is located at approximately 4248 Witmer Road, Niagara, NY.
See attached photo for the main entry gate (from Google Earth).
Marc brought his Polaris to help inspect the site, he drove LAN
around the site and did all this at no cost, very good and much
appreciated customer service. The recent mowing allowed for a
thorough and detailed inspection. Each well, culvert piping, surface
water/leachate collection point & vents were inspected. MW BR-1 was
noted to have a broken/cracked well pad/surface seal (see photo). Other
than MW BR-1, the other monitoring points were in the same
condition as last year, worn/used but functional. Cattail stands were
obvious in drainage features along the North and western sides of
Cell 1 & Cell 2. These Cattails are likely hindering/restricting Stormwater
flow/drainage. Two Stands of trees were growing within the
landfill Cells slope (towards the landfill base), a small Stand of
2-6 yr old trees on the eastern/Southeastern side of Cell 2 and a
Single older tree located on the Southern side (SE) corner of Cell 1. These
trees, having root Systems likely into the Cells should be Cut/Removed.
A willow needs to be Pruned which overhangs the fence in the NE property corner.
There is also a recently fallen willow in the same area which needs
Cutting/removal. All fencing is in very good condition, however weed
growth into/on the fence has begun. Vine such as grape and other
species including various climing types. Marc recomended doing and
required Maintance August/September which are the driest months.
A1 land Care maintains an aplicator Pestride/Herbicide license and
can Perform any requested/required work for proper Maintance.

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Page: 2 of: 2

NOTES/CALCULATION WORKSHEET

A1 Land Care also has earth moving equipment and could pull samples of landfilled material at depth if an evaluation is ever needed.

Based on the site inspection, LAN recommends the following to be conducted August/September of 2022:

1) Repair well Pad / well seal at MW BR-1
2) Remove trees at two locations growing into the landfill cell
3) Remove / Brushhog / Mow Cedars along the North & West Sides of the landfill Cell
4) Prune / Remove limbs overhanging the fence of the willow tree in the NE Property boundary.
5) Remove / Cut recently downed willow tree located at the NE Propert Corner.
6) Spray herbicide on all weeds / plants growing on fencing

These recomendations are provided as best mangement / maintaine practices to preserve Stormwater flow function, Protect the landfill cell intergrity, protect fencing / Prevent future fence repairs, and ensure groundwater quality is not jeporidized. See included Map and numerous photographs / video documenting Site Conditions and Justifing recomendations.

LAN Recomends Conducting Annual groundwater Sampling, Routine Mowing Maintenance, Recomended repairs / Preventative maintenance during the same time in August/September 2022, to be documented within the Annual Report.

Attachment B

Photographic Documentation

Attachment B – Photographic Documentation

MW BR-1

MW BR-1 broken pad, needs to be repaired

MW-5R

MW-14N

Sump Collection Tank (LS-1)

MW-3R

Western fence line along adjacent plant property

Low-lying stormwater drainage area

Culvert inlet and drainage swale

Southern fence line

On top of landfill

Divide between landfill cells

View of cattails from top of landfill, looking towards Witmer Road

Cattails require mowing/control

View of cattails to the west of adjacent plant

View of cattails at base of landfill

Cattails require mowing/control

Trees on northeast corner of landfill to be removed

Trees on northeast corner of landfill to be removed

Northern fence line

Vegetation growing on fence, apply herbicide