2024 ANNUAL MAINTENANCE & MONITORING REPORT

Submitted On Behalf of:
CC Metals and Alloys, LLC
1542 N. Main St.
Calvert City, KY 42029
Plant Manager: Chris Cobb

WITMER ROAD PROPERTY

(Previous Site Name: SKW Newco Inc.)
Witmer Rd. & Maryland Ave.
Town of Niagara, NY 14305
SITE #932001C

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

Prepared by:

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

200 Malaga Street, Suite 3
St. Augustine, FL 32084

LAN Ref. #2.3146.92.1
Oct. 28, 2024

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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 industry standards, satisfies the requirements of the New York State Department of Environmental Conservation, and follows generally acceptable geological & engineering principles.

Designated Qualified Representative
Chris Callegari P.G.

Date: October 28, 2024

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1.0 INTRODUCTION

The following is the 2024 Annual Maintenance & Groundwater Report for CC Metals and Alloys, LLC (CCMA) landfill Cells 1 and 2. LAN Associates, Inc. (LAN) has been retained by CCMA to conduct post-closure activities for this site. The landfill (historically known as the SKW Site) is located on a 9.76-acre parcel and is within a larger 23-acre property owned by CCMA, adjacent to Witmer Road in the Town of Niagara, NY. Waste stored in Cell 1 includes inorganic ferrosilicon and ferrochromium metal baghouse dusts, and waste stored in Cell 2 contains inorganic ferroalloy dust. A Site Plan depicting the topography and site features related to the landfill is included as Figure 1 – Site Plan.

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 Title 6 of the official compilation of Codes, Rules, and Regulations (CRR) for New York (NY) Part 363-Subpart 9.6 which covers post-closure operation and maintenance.

The CCMA SKW operable unit (OU), site #932001C (OU#1 - 9.76 acres) is adjacent/abuts to and is downgradient of two other larger surrounding Inactive Hazardous Waste Disposal Sites, including Airco Properties Landfill OU, site #932001B (OU#2 - 25.14 acres) and the Vanadium Corporation of America OU, site #932001 (OU#3 - 88 acres). Contaminants of concern for these two upgradient sites are on record at NYSDEC and include organic type wastes. CCMA has closed, managed, monitored, and maintained Site #932001C independently/separately from the other Inactive Hazardous Waste Disposal Sites in the area. This was done due to suspect contaminants from CCMA's placed wastes being limited to inorganic metals and the wastes routinely testing as non-leaching/immobile. As noted in the Record of Decision dated March 2006, historically portions of the Vanadium site have been used for the disposal of hazardous waste from the on-site and off-site manufacturing of specialty steel products.

2.0 INSPECTION SUMMARY

LAN conducted an inspection of the Witmer Road landfill cells on September 4 & 5, 2024. The sites landfill cells, vegetation, perimeter fencing, monitoring wells, and stormwater conveyance infrastructure were all thoroughly inspected by LAN personnel. The landfill is in good overall condition with no signs of subsidence or erosion. The site security measures including the fencing, locks, and signage were all in good standing condition. Mowing and general vegetative upkeep was completed prior to the inspection and successful; all intended vegetation appears healthy. The site inspection indicates that the site is being well kept and the structural integrity of the landfill remains in good condition. The only recommended action was to monitor the vine growth on fences during the 2025 & 2026 inspections to determine if any corrective action may be warranted to protect the fencing. The site inspection letter detailing the site inspection, site conditions (including photographs), maintenance activities and sampling has been included as Appendix A – 2024 Annual Inspection Letter.

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, surface water, and leachate sampling, as well as field measurements conducted by a qualified person(s). LAN subcontracted a local environmental consultant, Barton & Loguidice (B&L) to conduct/complete the sampling activities.
    - The laboratory analytical testing was conducted by a certified environmental laboratory, Eurofins Buffalo (Eurofins), formerly known as Test America,
    - LAN analyzed the data to determine if there are exceedances above any applicable water quality standards, or significant changes to water quality trends associated with the CCMA Witmer Road Landfill.
- Vegetative cover maintenance including mowing cover grasses is conducted at least once per year, additionally, herbicide application and deep-root tree/shrub removal are performed as needed based on the inspection such that the cover system of the landfill cells are not endangered,
- An inspection of the surface water flow system is conducted to ensure ditches, swales, stormwater capture features and culverts are free of debris and conveying water. Also to evaluate if any erosion, subsidence, slumping or other site features are present which may hinder performance of the engineering controls,
- An inspection of the physical site components including monitoring wells/pads, landfill vents, the leachate sump, etc. are structurally intact, functioning and to determine if any maintenance is required,
- Site security fencing, gates, locks and signage are checked and maintained,
- An annual inspection is performed by LAN to evaluate the environmental integrity of the landfill and the surrounding site,

- LAN maintains communications with the site ownership group and provides oversight, documentation and reporting of any recommended corrective actions needed/taken based on the recommendations in the annual inspection letter,
- Submission of Annual Reports and electronic data deliverables (EDD) to NYSDEC when all on-site activities and annual requirements are completed.

4.0 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 inorganic waste in place for each cell is as follows: Cell 1 holds a volume of approximately 90,000 yd^3 of baghouse dust, and Cell 2 holds a volume of approximately 40,000 yd^3 of baghouse dust. The density of the inorganic 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.

5.0 GROUNDWATER AND SURFACE WATER QUALITY

Groundwater and surface water quality have been tested/monitored for the past 30+ years to ensure that the site is not impacting the environment or human health.

5.1 POST CLOSURE MONITORING

A program to monitor groundwater and surface water around landfill Cells 1 and 2 was developed and implemented for the post-closure period. This program provides the required data to evaluate the potential effects of Cells 1 and 2 on both the site's groundwater and surface water. Five groundwater wells near the landfill are utilized to monitor the groundwater elevation and 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 – Site Plan. 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). If no water is available in the swale to SW-1 or directly in front of the culvert, it is noted as dry on a sampling form. Samples are also collected from the landfill leachate sump (LS-1) annually to evaluate the remaining leachate quality.

5.2 WATER QUALITY SAMPLING

Groundwater and surface water analytical samples for reporting year 2024 were collected by B&L and analyzed by Eurofins. During the annual groundwater and surface water monitoring event, upgradient monitoring well MW-3R was sampled and analyzed, along with four downgradient monitoring wells (MW-5R, BR-1, MW-12, MW-14N), and the landfill leachate sump. Surface water location SW-1 was not sampled during this monitoring period because it was completely dry during the sampling event.

Historically, prior to and including reporting year 2013, samples were 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 currently 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 Dissolved Solids (TDS) via Method SM 2540C, Hexavalent Chromium-Cr (VI) via Method SM 3500 CR B, and Total Organic Carbon (TOC) via Method SM 5310C. Field parameters such as water temperature, pH, conductivity, turbidity, and ORP are measured by the B&L field personnel. Stabilization of field parameters was achieved prior to sampling, to ensure a representative sample was collected. The laboratory reports, as well as field sampling data sheets showing parameter stabilization are included in Appendix B - 2024 Eurofins Laboratory Analytical Report.

5.3 WATER QUALITY RESULTS SUMMARY

Overall, there have been no significant changes in water quality during the past year. A summary of groundwater quality data for the past ten (10) years is provided as Table 1 – Water Quality Analytical Summary. Historically, constituents of concern (COC) detected in the groundwater above standards included: sodium, TDS, cis-1, 2-Dichloroethene (well 14N), and vinyl chloride. Sodium continues to have a gentle upwards trend in all wells, indicating a potential regional change in groundwater quality or extensive use of rock-salt on roadways during winter. TDS concentrations were reported above the defined standard in all groundwater and leachate samples, with the leachate at 507 mg/L, just over the 500 mg/L standard. The TDS concentration in 2024 is significantly less than 2023 in all wells, indicating that this is more likely an effect of the sampling method/equipment and pumping rate used. Turbidity has not previously been an issue, but in the last four years, (2020 – 2023), it has exceeded 5.0 NTUs in monitoring well MW-12. During 2024, through improved low-flow sampling methodology, turbidity in MW-12 was recorded as 3.42

NTUs during sampling. Successful efforts to improve the sampling procedure will be continued, hopefully reducing turbidity and total dissolved solids in all future sampling events.

The cis-1, 2-Dichloethene concentration in MW-14N remains above the standard, but is lower than was detected in the initial years of monitoring and continues shows a downward trend.

The vinyl chloride concentration in MW-12 was detected at 12 ug/l, which is above the standard, but continues to trend down from its peak exceedance of 25 ug/l in 2021. The vinyl chloride concentration in BR-1 was detected at 5.2 ug/l, slightly above the standard, but close to the results from the previous two years. The vinyl chloride concentration in MW-14N was previously detected at 4.9 ug/l, continues to slowly trend up and will be closely monitored.

The elevated pH identified in the leachate during 2023 has returned to within historical range during the 2024 sampling event, further supporting that this was potentially due to equipment error in 2023. A summary of groundwater quality data for the past year, as well as historic analytical data inclusive of the previous 13 monitoring events, is provided in Table 1 - Water Quality Analytical Summary. Furthermore, trend graphs of the analytes of concern are provided to illustrate the stability of the ongoing monitoring/testing and have been included as Figure 2 – Analyte Trend Graphs.

5.4 WATER TABLE ELEVATION DATA

Prior to groundwater sampling, the depth of the water was measured in each well. The collected water elevation data is presented in tabular form below and is depicted on the groundwater flow map included as Figure 3 – Groundwater Flow Maps. This data indicates that the groundwater flows to the south-southwest across the site, which is consistent with previous years.

Exhibit 5.4-1

2024 Witmer Road Groundwater Elevation Table			
Well Name	**TOC Elevation**	**Depth to Water**	**Groundwater Elevation**
MW-3R	611.87	6.13	605.74
MW-14N	605.52	10.05	595.47
MW-5R	601.67	7.95	593.72
MW-BR1	605.52	12.45	593.07
MW-12	597.71	10.71	587

Notes: Water levels were recorded on Sept. 5, 2024.
All measurements are in feet.

6.0 ENVIRONMENTAL & MAINTENANCE MONITORING

The site is inspected annually to ensure that the landfill has no erosion, subsidence, or penetrations that would impact the site or environment. This inspection is conducted annually by a qualified and designated LAN representative. The 2024 annual inspection of the site indicated the landfill cover system, was operating as designed. Additionally, physical structures such at wells, fences, or leachate access ports were all noted in good condition.

The inspection report consists of a checklist, which covers the following annual evaluation:

- Bank and landfill cover erosion,
- Subsidence,
- Cover soil integrity,
- Condition of vegetative cover,
- Condition of monitoring wells,
- Condition of surface water culverts and swales,
- Site security.
- Access roads to the site.

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

The required annual inspection was conducted on September 4 & 5, 2024 by Chris L. Callegari, P.G. of LAN. A letter detailing the 2024 site inspection with updated site plan, corrective action map, inspection checklist and photographic documentation is included as Appendix A – 2024 Annual Inspection Letter. The action items identified during the last two inspections (2022 & 2023) were all verified/documented remedied/completed and the site was found in good overall condition.

The following is a synopsis of the findings of the 2024 inspection:

Cover

- There was no erosion, penetrations, or subsidence of the landfill cover system.

Vegetation

- Vegetative cover is in good overall condition.
- Cattails in the swales had been mowed and removed.

Property Security and Fencing

- There were some vines noted interwoven growing up the fence.
- Fencing gates, and barbed wire are in good condition.
- Locks were found on all gates.
- All access roads are in good and drivable condition.

Groundwater Wells and Leachate Sump

- The monitoring wells were inspected and are in good condition.
- Leachate Sump 1 (LS-1) was inspected and is in generally good condition.

Surface Water Drainage

- No standing water was observed, and an SW-1 sample was not collected.
- No blockages were observed in the drainage system.
- Recommended fixes to the plastic culvert ends were completed, culvert ends were marked with steaks to prevent future damage during mowing of high grasses, and stormwater flow was unhindered.

The letter/report generated from the 2024 inspection is included as Appendix A of this annual report, with its respective attachments following green dividers (The annual report has blue dividers). There was only one recommended action for 2024, to re-evaluate the vines in 2025 and/or 2026 for removal or herbicide treatment. Photographic documentation of the inspection items is provided within Appendix A, sub-section Attachment 3.

7.0 CONCLUSION

This report was prepared by LAN in order to satisfy the requirements of Title 6 of the official compilation of Codes, Rules, and Regulations (CRR)-for New York (NY) Part 363-Subpart 9.6. All required post-closure activities for the 2024 year have been conducted. Overall, the site is in very good condition. The corrective action recommended from the 2024 annual site inspection related to vine removal/control off the fencing, dependent on evaluations during the 2025 and/or 2026 inspection.

Annual monitoring of water quality on-site indicates that the monitoring parameters are generally stable. The results of this annual sampling event indicate that sodium continues to trend upwards, this may be resultant of a larger regional trend. The concentration of TDS was less than it was in 2023 in all wells and is not showing a significant increasing trend recently. The concentration of cis-1, 2-Dichloethene in MW-14N remains the only one above the standard and there was a slight increase in concentration from 2023, however the trend is still downward, as indicated in Figure 2. Vinyl chloride was detected above the standard in three wells and continues to increase in two of them. Vinyl chloride is not suspected to be a constituent or by-product of the waste stored in the CCMA landfill cells. Vinyl chloride will be a parameter closely watched in the future.

All components of the Site Monitoring Plan, including the institutional controls/ engineering controls, surface water/groundwater monitoring, and maintenance plans are working as designed. The engineering controls implemented have reduced pooling of water on-site and enhanced the conveyance of stormwater, as indicated in the annual inspection report. During the Submittal of the Witmer Road 2023 Periodic Review Report (PRR), a request by LAN to extend the frequency of PRR review/reporting from 3 to 5 years was accepted by NYSDEC. The next PRR will be due in 2028.

8.0 RECOMMENDATIONS

Due to the stability of water quality results within historical bounds at the CCMA Witmer Rd. OU #1 over the past ten years (Table 1), it is recommended by LAN to reduce the sampling frequency from annual to bi-annual. Inspection, maintenance, and reporting of the landfill condition and functionality will continue to be performed annually to ensure the physical features and stormwater control components operate as intended, further safeguarding the landfill controls. This recommended change of sampling frequency will still ensure the landfill Site Monitoring Plan safeguards human health and/or the environment.

Figure 1

2024 Site Plan

LEGEND:

- MONITORING WELL
- SURFACE WATER SAMPLE
- SUMP SAMPLE
- CULVERTS

WITMER ROAD

GATE

PROPERTY SUBDIVISION LINE

TIE-IN MANHOLE

EXISTING STORM SEWER

MUNICIPAL STORM SEWER

CELL 1

CELL 2

MW-3R

MW-BR1

LS-1

MW-5R

MW-14N

SW-1

MW-12

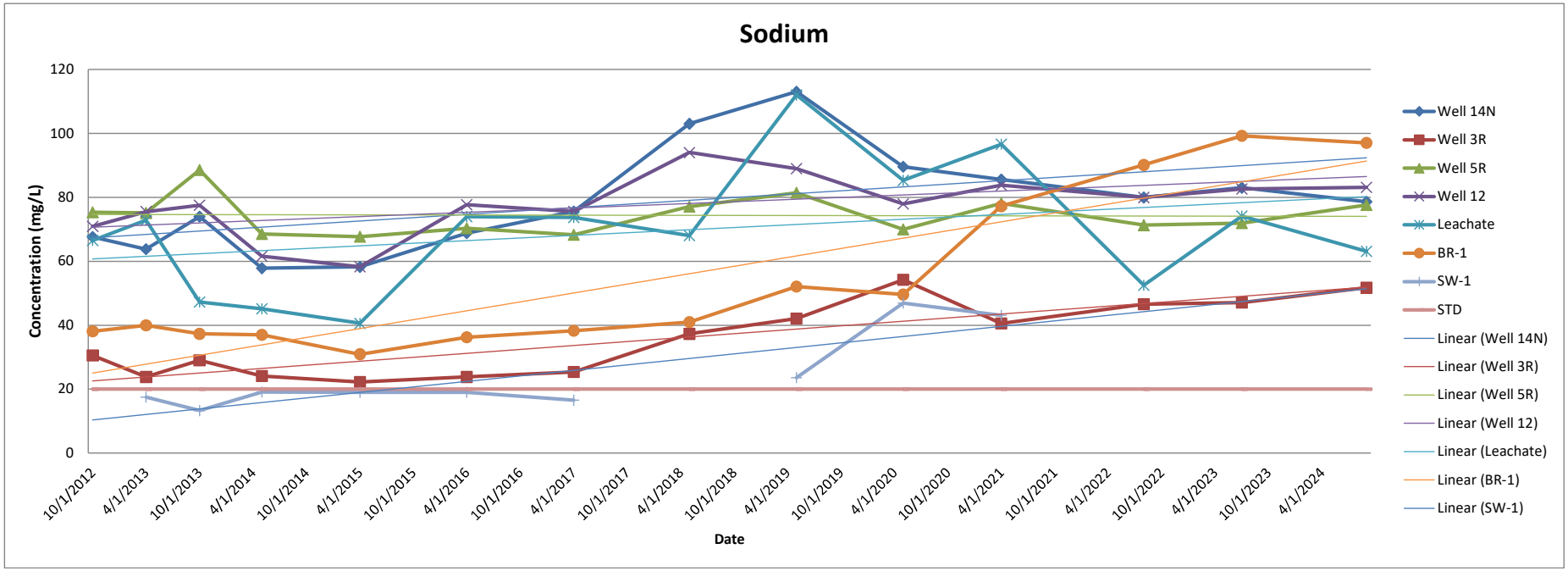
SCALE
0 75 150
(IN FEET)

LAN ASSOCIATES, INC. CONSULTING • ENGINEERING • PLANNING 59 RIBERIA STREET, SUITE 400 ST. AUGUSTINE, FL 32084-3584 (904)824-5999	2024 SITE PLAN	Figure: 1
	CC METALS AND ALLOYS, LLC WITMER ROAD LANDFILL NIAGARA, NEW YORK	Job No.: 2.3146.92.1

DATE: 09/11/24

Figure 2

Analyte Trend Graphs


Sodium
Concentration (mg/L)
120
100
80
60
40
20
0
10/1/2012
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
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4/1/2022
10/1/2022
4/1/2023
10/1/2023
4/1/2024
Date
Well 14N
Well 3R
Well 5R
Well 12
Leachate
BR-1
SW-1
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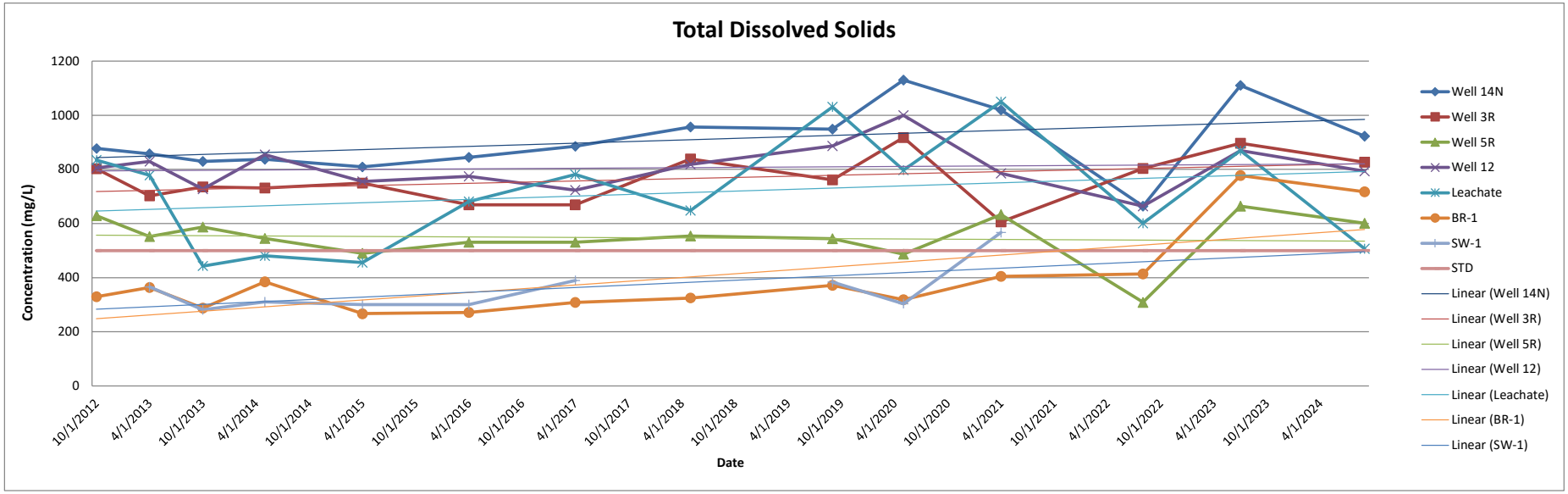
Linear (Well 5R)
Linear (Well 12)
Linear (Leachate)
Linear (BR-1)
Linear (SW-1)


Total Dissolved Solids
Concentration (mg/L)
1200
1000
800
600
400
200
0
10/1/2012
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
10/1/2018
4/1/2019
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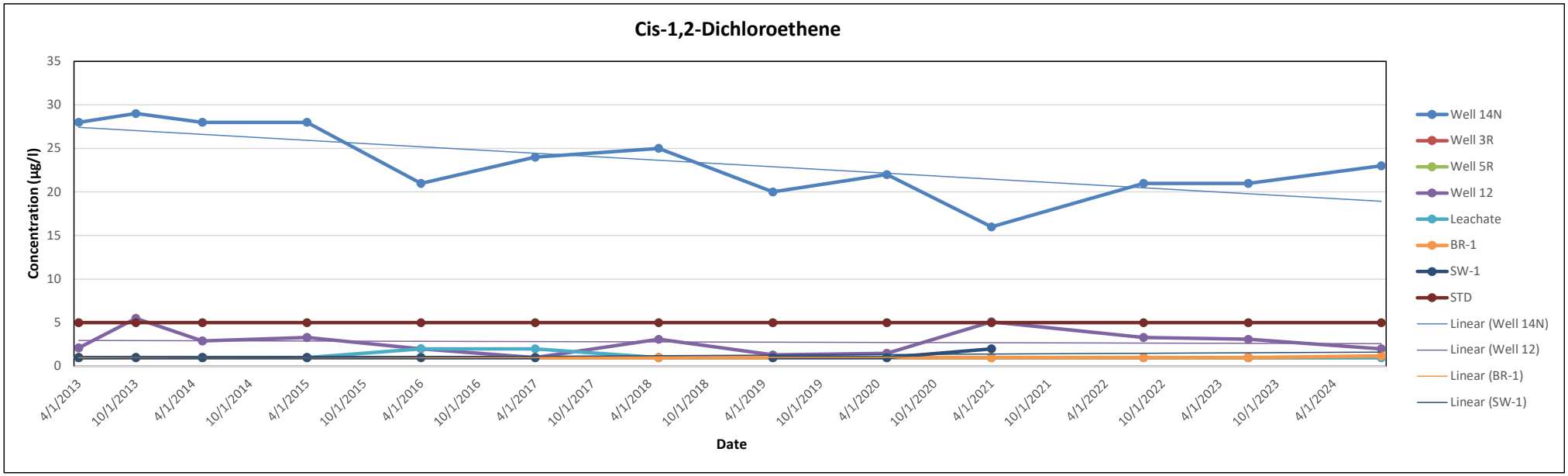
10/1/2020
4/1/2021
10/1/2021
4/1/2022
10/1/2022
4/1/2023
10/1/2023
4/1/2024
Date
Well 14N
Well 3R
Well 5R
Well 12
Leachate
BR-1
SW-1
STD
Linear (Well 14N)
Linear (Well 3R)
Linear (Well 5R)
Linear (Well 12)
Linear (Leachate)
Linear (BR-1)
Linear (SW-1)


Cis-1,2-Dichloroethene
Concentration (µg/l)
35
30
25
20
15
10
5
0
4/1/2013
10/1/2013
4/1/2014
10/1/2014
4/1/2015
10/1/2015
4/1/2016
10/1/2016
4/1/2017
10/1/2017
4/1/2018
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4/1/2020
10/1/2020
4/1/2021
10/1/2021
4/1/2022
10/1/2022
4/1/2023
10/1/2023
4/1/2024
Date
Well 14N
Well 3R
Well 5R
Well 12
Leachate
BR-1
SW-1
STD
Linear (Well 14N)
Linear (Well 12)
Linear (BR-1)
Linear (SW-1)

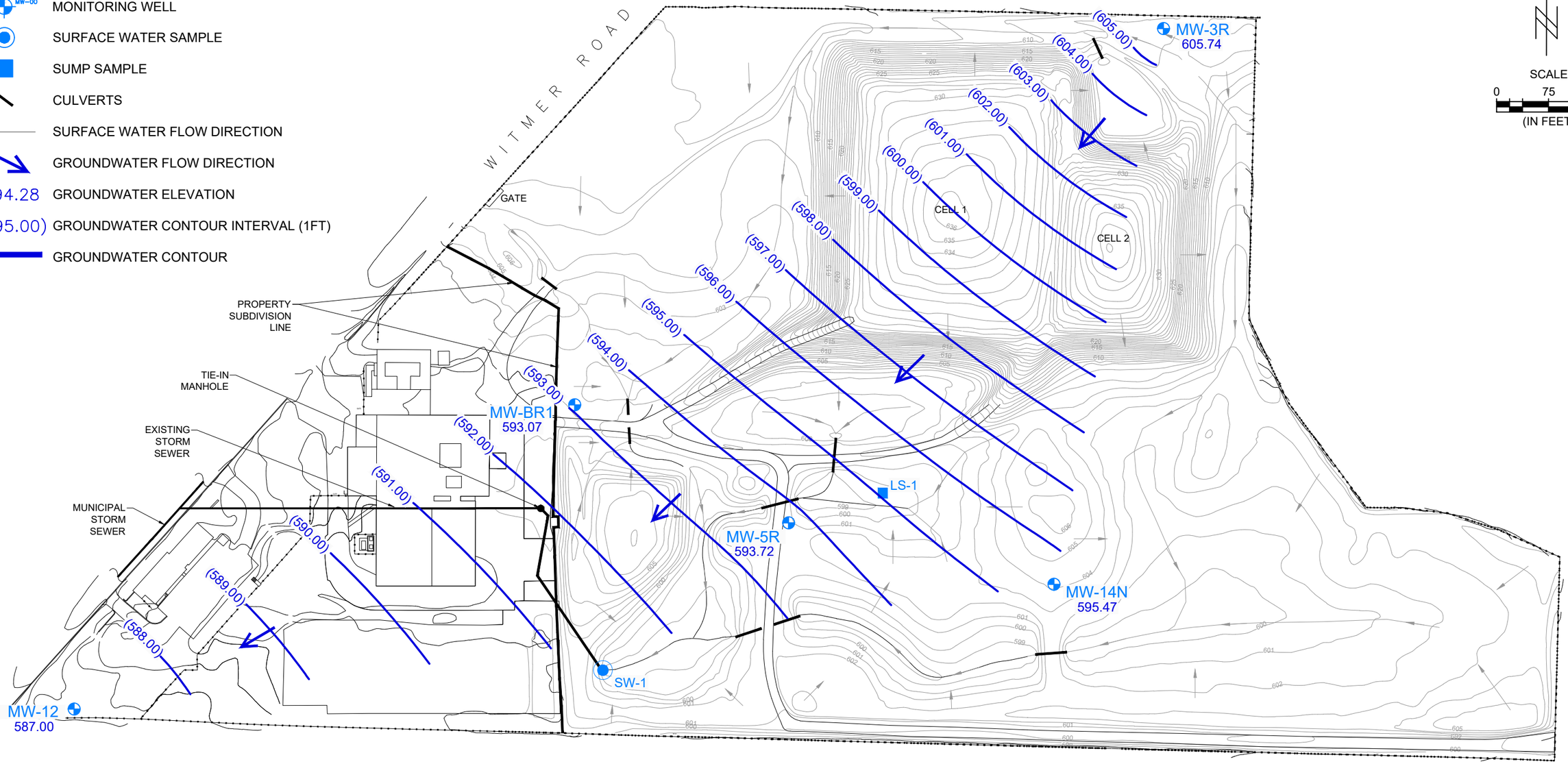
Figure 3

Groundwater Flow Map

(10/17/2024)

LEGEND:

- MW-00 — MONITORING WELL
- SURFACE WATER SAMPLE
- SUMP SAMPLE
- CULVERTS
- SURFACE WATER FLOW DIRECTION
- GROUNDWATER FLOW DIRECTION
- 594.28 — GROUNDWATER ELEVATION
- (595.00) — GROUNDWATER CONTOUR INTERVAL (1FT)
- GROUNDWATER CONTOUR



SCALE
0 75 150
(IN FEET)

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88 RIBERIA STREET, SUITE 400 ST. AUGUSTINE, FL 32084-3684 (904)824-6999

GROUNDWATER FLOW MAP (SEPTEMBER 5, 2024)

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

Figure: 3

Job No.: 2.3146.92.1

DATE: 10/17/24

Table 1

Water Quality Analytical Summary

LAN Associates, Inc.
CONSULTING • ENGINEERING • PLANNING

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 14N																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52		605.52	
WATER LEVEL	-	Feet	10.22		7.12		8.13		6.83		6.81		7.11		6.47		6.89		6.19		6.90		7.86		10.06		9.35		10.05	
WATER ELEVATION (Before Purge)	-	Feet	595.30		598.40		597.39		598.69		598.71		598.41		599.05		598.63		599.33		598.62		597.66		595.46		596.17		595.47	
WELL BOTTOM	-	Feet	26.35		26.35		26.35		26.35		26.35		26.50		26.5		26.5		26.5		26.5		26.5		20.43		20.43		20.43	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.12		0.11		0.12		0.11		0.11		0.12		0.12		0.14		0.14		0.13	*	0.12		0.043		0.12		0.12	
BORON, (TOTAL)	*1*	mg/l	0.12		0.11		0.13		0.12		0.11		0.11		0.11		0.12		0.10		0.11		0.11		0.14		0.11		0.10	
BROMIDE	-	mg/l	0.99		0.20	U	0.20	U	0.20	U	2.00	U	0.32		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	
CHEMICAL OXYGEN DEMAND	-	mg/l	12.0		10.4		10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	19.7		25.2		10.0	U	10.0	U	10.0	U
CHLORIDE	-	mg/l	119		117		109		92		110.0		132.0		151.0		175.0		150.0		150		135		122		121		125	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.00040	U	0.00040	U	0.00400	U	0.00400	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	26		175		168		74		132		67		242		36		40		33		9		42		-16		1.82	
HEXAVALENT CHROMIUM	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.013		0.010	U	0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.11		0.08		0.120		0.07		0.130		0.090		0.077		0.13		0.13		0.17		0.15		0.21		0.16		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	0.00020	U	0.00020	U	0.00020	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	7.17		6.99		7.01		6.87		7.01		6.98		7.06		7.26		7.26		7.18		7.04		7.01		7.53		7.79	
POTASSIUM	-	mg/l	2.5		2.5		3.0		2.4		2.4		2.6		2.6		3.0		3.5		2.5		2.7		3.8		2.6		2.5	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**67.6**		**63.8**		**73.9**		**57.8**		**58.2**		**68.8**		**75.6**		**103**		**113**		**89.6**		**85.6**		**79.9**		**83.0**		**78.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1215		1139		1181		1163		1201		1368		1427		1589		1486		1531		1503		1519		1488		1427	
SULFATE	*250*	mg/l	169		175		171		168		162		160		141		237		250		244		230		102		214		220	
TEMPERATURE	-	$^{o}_{F}$	13.20		52.16		54.68		58.28		47.48		50.18		52.16		53.24		52.34		52.3		53.4		59.3		57.2		58.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**877**		**857**		**829**		**837**		**809**		**844**		**885**		**956**		**948**		**1130**		**1020**		**664**		**1110**		**922**	
TOTAL ORGANIC CARBON	-	mg/l	1.8		2.6		2.3		3.1		2.5		2.0		2.5		2.4		3.1		3.2		3.4		2.7		3.2		2.5	
TURBIDITY	*not exceed 5*	N.T.U	2.89		1.93		5.11		2.51		1.93		2.48		1.83		2.3		3.4		**15.1**		0.76		1.34		6.40		1.94	

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	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	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
1,1-Dichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromomethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10.0	U	10	U	10	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10.0	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U	10.0	U*1	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15.0	U	15	U	15	U	10	U	20	U	15	U	15	U	15	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5*	ug/l	-		**28**		**29**		**28**		**28**		**21**		**24**		**25**		**20**		**22**		**16.0**		**21**		**21**		**23**	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Trichloroethene	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5	U	5	U	5	U*+	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.6		**2.4**		1.0	U	1.4		1.1		1.8		**2.3**		1.3		**2.5**		**2.3**		**3.7**		**3.6**		**4.9**	

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 3R																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8 ,9,17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87		611.87	
WATER LEVEL	-	Feet	7.32		2.09		3.55		1.65		1.93		2.12		1.58		2.06		1.63		2.25		3.38		6.37		4.98		6.13	
WATER ELEVATION (BEFORE PURGE)	-	Feet	604.55		609.78		608.32		610.22		609.94		609.75		610.29		609.81		610.24		609.26		608.49		605.5		606.89		605.74	
WELL BOTTOM	-	Feet	12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		12.05		11.94		11.94		11.94	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.0150	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.035		0.028		0.034		0.028		0.025		0.027		0.028		0.032		0.027		0.034	^	0.029		0.0470		0.037		0.040	
BORON, (TOTAL)	*1*	mg/l	0.21		0.16		0.20		0.16		0.14		0.15		0.14		0.14		0.12		0.12		0.14		0.14		0.14		0.14	
BROMIDE	-	mg/l	0.24		0.20	U	0.20	U	0.20	U	2.00	U	0.20	U	0.20	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	10.0	U	10.0	U	10.0	U	16.3		12.5		10.0	U	10.0	U	10	U	10	U	10.0	U	19.7		10.0	U	10.0	U	10.1	
CHLORIDE	-	mg/l	35.9		35.9		37.9		35.9		37.1		47.8		50.6		108		86		101		126		75.8		72.7		77.5	
CHROMIUM	*0.05*	mg/l	0.0078		0.0052		0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0091		0.0055		0.01		0.0065		0.24		0.0040		0.0040	U	0.0040	U
Eh	-	M.Volts	156		112		148		168		131		158		260		92.0		112.0		111		142		49.0		27		209	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.024		**0.22**		0.010		0.010	U	0.010	H
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.0030	U	0.0030	U	0.0190		0.003	U	0.0047	U	0.0035	U	0.003	U	0.0030	U	0.0100	U	0.0034		0.003	U	0.120		0.089		0.054	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.02000	U	0.0002	U	0.0002	U	0.0002	U	0.00020	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	6.87		6.99		6.89		6.96		6.85		6.51		7.39		7.70		7.25		7.38		7.56		7.70		**8.9**		7.68	
POTASSIUM	-	mg/l	0.50	U	0.50	U	0.55		0.50	U	0.50	U	0.50	U	0.50	U	0.58		1		0.5	U	**1.1**		**0.77**		0.83		0.83	
SELENIUM	*0.01*	mg/l	0.0039		0.0023		0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**30.5**		**23.8**		**29.0**		**24.1**		**22.2**		**23.8**		**25.4**		**37.3**		**42.1**		**54.2**		**40.6**		**46.6**		**47.1**		**51.7**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1095		999		1069		1055		1177		1131		1125		1322		1195		1324		997		1310		1300		1285	
SULFATE	*250*	mg/l	143		155		154		147		147		148		141		190		180		207		**318**		175.0		162		169	
TEMPERATURE	-	Of	56.84		49.46		56.32		57.02		42.98		48.38		53.6		52		50.36		51.2		49.4		64.0		59.5		61.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**802**		**702**		**735**		**731**		**749**		**669**		**669**		**838**		**761**		**917**		**606**		**803.0**		**896**		**826**	
TOTAL ORGANIC CARBON	-	mg/l	2.0		2.9		2.8		5.0		2.6		1.9		2.1		1.9		2.4		3.0		3.4		2.8		2.9		2.5	
TURBIDITY	not exceed 5	N.T.U	2.40		1.87		3.56		0.92		1.07		1.82		1.55		1.5		2.3		1.04		0.95		1.01		2.34		0.88	

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 3R																														
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5.0	U	5.0	U	10.0	U*	10.0	U*+	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5.0	U	5.0	U	10	U	10	U	10.0	U*+	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	10	U	15	U	15	U	15.0	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

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Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 5R																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601.67		601		601.67		601.67		601.67	
WATER LEVEL	-	Feet	8.44		5.07		6.35		5.51		5.44		6.74		5.25		5.51		4.98		5.46		6.32		8.26		7.52		7.95	
WATER ELEVATION (BEFORE PURGE)	-	Feet	596.25		596.25		596.25		596.25		596.23		594.93		596.42		596.16		596.69		596.21		594.68		593.41		594.15		593.72	
WELL BOTTOM	-	Feet	19.75		19.75		19.75		19.75		19.74		19.74		19.74		19.74		19.74		19.74		19.74		19.85		19.85		19.85	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.07		0.064		0.063		0.053		0.043		0.056		0.049		0.055		0.054		0.067	*	0.094		0.076		0.083		0.093	
BORON, (TOTAL)	*1*	mg/l	0.19		0.18		0.20		0.18		0.18		0.17		0.17		0.19		0.17		0.17		0.19		0.16		0.19		0.19	
BROMIDE	-	mg/l	3.00		0.7		1.30		1.0		0.84		0.98		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1		1.8	
CHEMICAL OXYGEN DEMAND	-	mg/l	29.3		15.8		25.7		27.1		12.8		10.0		10.0	U	19.3		14.9		14.8		33.4		24.8		17.4		16.1	
CHLORIDE	-	mg/l	96.0		94.9		94.7		80.6		92.8		85.6		82.7		84.7		82		84.0		94.6		81.9		89.4		94.8	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	97		120		144		135		110		115		218		80		169		96.0		7.0		92		67		214	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.016		0.010	U	0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.02		0.010		0.370		0.01		0.0160		0.0190		0.0039		0.018		0.03		0.091		**0.3**		0.17		0.12		0.12	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00200	U
PH	*between 6.5 to 8.5*	S.U	7.99		7.86		7.70		7.85		7.87		7.78		7.92		8.22		8.22		7.91		8.05		7.98		**9.10**		8.29	
POTASSIUM	-	mg/l	30.1		25.8		24.3		20.8		18.5		20.1		18.8		20.3		21.5		21.7		22.6		20.8		22.2		26.2	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250		0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**75.3**		**75.1**		**88.5**		**68.5**		**67.7**		**70.3**		**68.3**		**77.1**		**81.4**		**70.0**		**78.1**		**71.3**		**71.9**		**77.6**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	847		818		857		825		851		886		861		920		882		905.8		1025		914		957		980.1	
SULFATE	*250*	mg/l	183		178		183		157		157		164		167		182		180		159		166		150		155		167	
TEMPERATURE	-	°F	56.12		50.36		53.96		56.12		44.96		48.20		51.26		50.2		51.26		49.8		54.1		64.1		56.6		60.1	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**629**		**552**		**587**		**545**		490		**531**		**531**		**554**		**544**		487		**633**		309		**664**		**601**	
TOTAL ORGANIC CARBON	-	mg/l	5.3		5.1		6.4		5.8		5.4		4.5		4.6		4.9		5.7		6.2		5.9		6.5		6.7		5.8	
TURBIDITY	*not exceed 5*	N.T.U	1.79		2.71		2.91		2.68		1.07		1.29		0.93		1.5		2.2		3.44		0.41		1.07		4.20		0.85	

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	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	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	5.0	U*1	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U	10.0	U	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	20	U	15.0	U	15.0	U	15.0	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1		1.2	

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Table 1
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CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 12																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71		597.71	
WATER LEVEL	-	Feet	10.05		8.02		9		8.29		7.95		8.35		8.18		8.22		7.71		8.26		9.05		9.86		9.28		10.71	
WATER ELEVATION (BEFORE PURGE)	-	Feet	587.66		589.69		588.71		589.42		589.76		589.36		589.53		589.49		590.00		589.45		588.66		587.85		588.43		587	
WELL BOTTOM	-	Feet	19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		19.65		20.12		20.12		20.12	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	
BARIUM	*1*	mg/l	0.039		0.038		0.038		0.040		0.036		0.042		0.045		0.046		0.04		0.042	^	0.051		0.043		0.048		0.055	
BORON, (TOTAL)	*1*	mg/l	0.20		0.19		0.19		0.17		0.17		0.18		0.13		0.18		0.15		0.16		0.017		0.14		0.16		0.15	
BROMIDE	-	mg/l	0.59		0.20		0.20	U	0.20	U	2.00	U	0.20	U	0.20	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	18.7		12.0		15.9		20.1		10.0		10.0		10.0	U	10.0	U	10.0	U	10	U	14.1		10	U	10.0	U F1	10.0	U
CHLORIDE	-	mg/l	100		137		107		108		108		144		110		169		160		140		144		122		126		138	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.021		0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
Eh	-	M.Volts	-67		181		142		186		136		149		168		92		113		98		37		8		77		-17	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.02		0.010	U	0.010	U	0.020		0.010	U	0.010	U	0.010	U	0.010	U
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.04		0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	0.300		0.01		0.097		0.009		0.0160		0.0160		0.03		0.071		0.046		0.20		0.24		0.21		0.22		**1.2**	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020		0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.0002	U	0.00020	U	0.00020	U
PH	*between 6.5 to 8.5*	S.U	6.74		7.22		7.00		7.19		7.20		7.39		7.57		7.71		7.3		7.46		7.18		7.51		8.08		7.18	
POTASSIUM	-	mg/l	4.7		4.7		5.3		4.0		4.2		4.6		2.6		4.6		5.1		4.0		4.6		3.8		4.1		3.8	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**70.9**		**75.5**		**77.5**		**61.6**		**58.3**		**77.7**		**75.6**		**94.0**		**88.9**		**77.9**		**83.8**		**79.9**		**82.6**		**83.1**	
SPECIFIC CONDUCTANCE	-	mg/l	1116		1144		1080		1204		1162		1294		1051		1218		1332		1294		1364		1275		1307		1339	
SULFATE	*250*	mg/l	117		147		117		142		127		135		176		160		150		128		128		102		109		120	
TEMPERATURE	-	F	57.02		50.00		52.5		60.4		46.9		49.5		53.06		51.26		52.16		51.4		52.7		62.5		56.3		60.0	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**805**		**829**		**727**		**854**		**755**		**774**		**723**		**818**		**886**		**1000**		**785**		**664**		**869**		**793**	
TOTAL ORGANIC CARBON	-	mg/l	2.0		2.6		2.6		3.6		2.7		2.1		3.6		2.4		2.8		2.6		3.2		2.7		3.0		2.3	
TURBIDITY	*not exceed 5*	N.T.U	1.85		2.87		4.02		2.71		1.67		1.78		2.35		1.8		2.1		**5.57**		**12.6**		**7.28**		**10.40**		3.42	

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Well 12																														
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5.0	U	10.0	U	10.0	U	10.0	U	10.0	U*1	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10.0	U	20.0	U	15.0	U	15.0	U	15.0	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		2.1		**5.5**		2.9		3.3		2.0		1.0	U	3.1		1.3		1.5		**5.1**		3.3		3.1		2.0	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	**7.4**	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.8**		1		1.0	U	**25.0**		**18.0**		**18**		**12**	

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Table 1
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CC Metals and Alloys, LLC
Town of Niagara, NY - Witmer Road

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
Sump (Leachate)																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08		602.08	
WATER LEVEL	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WATER ELEVATION (BEFORE PURGE)	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
ARSENIC	*0.025*	mg/l	0.010	U	0.012		0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.076		0.061		0.042		0.033		0.032		0.057		0.063		0.052		0.090		0.094	^	0.092		0.053		0.069		0.056	
BORON, (TOTAL)	*1*	mg/l	0.38		0.35		0.26		0.02		0.21		0.32		0.28		0.31		0.40		0.44		0.41		0.27		0.44		0.37	
BROMIDE	-	mg/l	2.7		1.7		1.7		2.7		1.2		2.3		2.6		2.0		2.7		1.5		2.8		2		2.0		2.7	
CHEMICAL OXYGEN DEMAND	-	mg/l	34.0		27.5		20.3		30.2		13.1		11.6	F1	10	U	20		24.3		16.6		10	F1	21.7		29.3		16.9	
CHLORIDE	-	mg/l	133		150		81.6		103.0		91.5		70.6		160		119		180		143		174		135		122		120	
CHROMIUM	*0.05*	mg/l	**0.110**		0.03		0.037		0.004	U	0.019		0.037		0.012		0.011		0.029		**0.41**		**0.18**		**0.056**		0.041		0.035	
eH	-	M.Volts	108		135		83		128		112		105		164		75		55		71		185		144		126		287	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	**0.081**		0.022		0.034		0.010	U	0.021		0.021		0.018		0.010	U	0.010	U	0.046		**0.059**		0.031		0.031		0.027	
LEAD	*0.025*	mg/l	0.0052		0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.017		0.012		0.01	U	0.010	U	0.010	U
MANGANESE	*0.30*	mg/l	0.0420		0.007		0.0078		0.0520		0.016		0.016		0.035		0.041		0.18		0.27		**0.44**		0.067		0.0030	U	0.012	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.0002	U	0.0002	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U
pH	*between 6.5 to 8.5*	S.U	7.90		8.01		7.90		8.08		7.92		7.59		7.56		8.47		8.09		8.07		7.97		7.99		**9.13**		8.28	
POTASSIUM	-	mg/l	82.1		86.5		68.7		42.8		41.4		74.2		113		83.1		143		112		120		70.1		91.7		77.5	
SELENIUM	*0.01*	mg/l	**0.030**		**0.012**		0.003		0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.026		0.025		0.025	U	0.025	U
SODIUM	*20*	mg/l	**66.5**		**72.8**		**47.2**		**45.1**		**40.6**		**74.0**		**73.7**		**68.3**		**112**		**85.3**		**96.6**		**52.5**		**74.1**		**63.1**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	1107		1160		714		745		791		1202		1255		1083		1510		1476		1715		1330		1297		1107	
SULFATE	*250*	mg/l	154		154		72		92.9		85.7		68.2		203		129		210		172		232		163		165		132	
TEMPERATURE	-	°F	60.26		45.68		53.60		53.1		43.88		45.50		50.54		56.12		52.7		50.6		55.9		67.6		62.9		64.9	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	**834**		**778**		443		480		456		**681**		**781**		**648**		**1030**		**797**		**1050**		**601**		**869**		**507**	
TOTAL ORGANIC CARBON	-	mg/l	9.0		7.0		5.2		6.5		5.8		6.8		7.0		6.1		9.6		9.7		11.4		9.2		9.0		7.0	
TURBIDITY	*not exceed 5*	N.T.U	2.50		2.27		1.76		1.72		0.92		1.48		1.03		1.8		2.2		**10.26**		**7.64**		1.37		2.76		1.62	

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Sump (Leachate)																														
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	20	U	20	U	5.0	U	10.0	U	10.0	U	10.0	U*+	10	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	5.0	U	10.0	U	5.0	U	5.0	U	5	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	20	U	20	U	5.0	U	10.0	U	10.0	U	10.0	U	10	U*1	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	30	U	30	U	10.0	U	20.0	U	15.0	U	15.0	U	15	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	4.0	U	4.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	5.0	U	1.0	U	2.0	U	2.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1	U	1.0	U*1	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	10.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5	U*+	5.0	U*+	5.0	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1.0	U	1.0	U

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

Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
BR-1																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/28/2017		5/11/2018		5/8, 9, 17/2019		5/19/2020		4/9/2021		8/23/2022		7/19/2023		9/5/2024	
TOP OF CASING ELEVATION	-	Feet	603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		603.79		605.52		605.52	
WATER LEVEL	-	Feet	13.19		10.59		11.52		10.44		10.52		10.63		10.34		10.43		9.90		10.51		11.28		12.65		11.95		12.45	
WATER ELEVATION (BEFORE PURGE)	-	Feet	590.60		593.20		592.27		593.35		593.27		593.16		593.45		593.36		593.89		593.28		592.51		591.14		593.57		593.07	
WELL BOTTOM	-	Feet	35.85		35.85		35.85		35.85		39.92		39.92		39.92		39.92		39.92		35.95		35.95		35.95		35.95		35.95	
ARSENIC	*0.025*	mg/l	0.010	U	0.010	U	0.010	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.02	U	0.015	U	0.015	U	0.0150	U	0.015	U	0.015	U
BARIUM	*1*	mg/l	0.14		0.16		0.13		0.13		0.088		0.10		0.11		0.11		0.16		0.14	^	0.12		0.10		0.11		0.10	
BORON, (TOTAL)	*1*	mg/l	0.13		0.15		0.13		0.15		0.12		0.13		0.12		0.14		0.12		0.12		0.12		0.10		0.11		0.10	
BROMIDE	-	mg/l	0.41		0.26		0.20	U	0.64		0.40		0.20	U	0.21		0.20	U	0.50	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
CHEMICAL OXYGEN DEMAND	-	mg/l	14.9		10.0	U	15.9		24.5		10.0		10.0	U / F1	10	U	100	U	11.4		14.6		24.7		12.70		10.0	U	10.0	U
CHLORIDE	-	mg/l	44.4		59.9		38.7		54.4		44.6		51.2		55.8		11.7		69		100		130		154.0		162		166	
CHROMIUM	*0.05*	mg/l	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0100	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U	0.0040	U
eH	-	M.Volts	-125		151		117		48		114		32.000	U	159		13		49		44		144		40		-126		20	
HEXAVALENT CHROMIUM TOTAL	*0.05*	mg/l	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.025		0.010	U	0.010	U	0.010	U	0.010	U F1
LEAD	*0.025*	mg/l	0.0050	U	0.0050	U	0.0050	U	0.0100	U	0.010	U	0.010	U	0.010	U	0.010	U	0.010	U	0.01	U	0.01	U	0.010	U	0.010	U	0.010	U
MANGANESE	*0.3*	mg/l	**0.55**		**0.55**		**0.45**		**0.50**		0.20		0.21		0.28		**0.31**		**0.61**		**0.50**		0.28		0.21		0.20		0.16	
MERCURY	*0.0007*	mg/l	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U	0.00020	U
pH	*between 6.5 to 8.5*	S.U	7.95		7.56		7.80		7.57		7.69		7.59		7.77		7.81		7.81		7.62		7.26		7.21		7.52		7.50	
POTASSIUM	-	mg/l	8.3		10.2		11.3		9.2		8.7		9.4	^	9.0		8.7		10.9		7.9		6.1		5.0		5.1		4.8	
SELENIUM	*0.01*	mg/l	0.0010	U	0.0010	U	0.0010	U	0.0250	U	0.025	U	0.025	U	0.025	U	0.025	U	0.02	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SODIUM	*20*	mg/l	**38.1**		**39.9**		**37.3**		**37.0**		**30.9**		**36.2**		**38.3**		**41.7**		**52.1**		**49.6**		**77.2**		**90.1**		**99.2**		**97.0**	
SPECIFIC CONDUCTANCE	-	Umhos/cm	495		563		419		549		450		488		482		565		431		701.4		1082		1224		1281		1269	
SULFATE	*250*	mg/l	57.6		77.6		59.2		74.3		51.5		53.8		60.9		13.8		75		93.5		95.4		89.9		90.9		121	
TEMPERATURE	-	°F	57.38		51.98		53.60		56.12		49.1		50.2		52.88		51		52.34		50.5		53.2		56.8		56.1		57.5	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	329		364		288		385		267		271		309		325		372		318		405		414		**777**		**717**	
TOTAL ORGANIC CARBON	-	mg/l	2.9		2.5		4.1		3.9		3.3		2.7		2.9		2.8		3.6		3.5		0.2		3.2		3.3		2.4	
TURBIDITY	*not exceed 5*	N.T.U	1.90		2.90		3.10		2.48		1.10		1.26		1.95		1.67		2		2.32		0.17		1.15		2.17		2.66	

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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	1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone / Methyl Ethyl Ketone	-	ug/l	-		10	U	10	U	10	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U*+	10.0	U*+	10	U*+	10	U*+
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone / Methyl Isobutyl Ketone	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	10	U	10	U	10	U	5	U	10	U	10.0	U	10.0	U	10.0	U*1	10	U	10	U
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	15	U	15	U	15	U	10	U	20	U	15.0	U	15.0	U	15.0	U	15	U	15	U
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0		1.2	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U*+
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U*+	1.0	U	1.0	U	1.0	U
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	B	1.2	B	5	B	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.5	U	1.0	U	1.0	U	1.0	U	1.0	U*1	1.0	U*1
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	2.0	U	2.0	U	5.0	U	5.0	U	5.0	U*+	5	U*+	5	U*+
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.3**		**4.5**		**3.4**		**5.2**	

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Quarter	Class GA Standard[1]	Units	2nd H/12	Qual.	1st H/13	Qual.	2nd H/13	Qual.	2014	Qual.	2015	Qual.	2016	Qual.	2017	Qual.	2018	Qual.	2019	Qual.	2020	Qual.	2021	Qual.	2022	Qual.	2023	Qual.	2024	Qual.
SW-1																														
SAMPLE DATE	-	NA	10/18/2012		4/26/2013		10/25/2013		5/13/2014		4/23/2015		4/28/2016		4/27/2017		SW-1 was DRY and not sampled		5/8, 9, 17/2019		5/19/2020		4/9/2021		SW-1 was not sampled		SW-1 was not sampled			
TOP OF CASING ELEVATION	-	Feet	596.72		596.72		596.72		596.72		NS		NS		596.72						596.72		596.72							
WATER LEVEL	-	Feet	NA		NA		NA		NA		NS		NS		NA				NA		NA		NA							
WATER ELEVATION (BEFORE PURGE)	-	Feet	NA		NA		NA		NA		NS		NS		NA		NS		NA		NA		NA		NS		NS		NS	
WELL BOTTOM	-	Feet	NA		NA		NA		NA		NS		NS		NA		NS		NA		NA		NA		NS		NS		NS	
ARSENIC	0.15[2]	mg/l	-		0.01	U	0.010	U	0.015	U	NS		NS		0.015	U	NS		0.02	U	0.015	U	0.015	U	NS		NS		NS	
BARIUM	*1*	mg/l	-		0.033		0.016		0.021		NS		NS		0.036		NS		0.064		0.030	^	0.079		NS		NS		NS	
BORON, (TOTAL)	1.0[2]	mg/l	-		0.13		0.088		0.17		NS		NS		0.2		NS		0.15		0.089		0.12		NS		NS		NS	
BROMIDE	-	mg/l	-		0.2	U	0.20	U	0.20	U	NS		NS		0.20	U	NS		0.5	U	0.20	U	0.20	U	NS		NS		NS	
CHEMICAL OXYGEN DEMAND	-	mg/l	-		44.5		45.2		58.9		NS		NS		27.1		NS		54.9		55.5		82.7		NS		NS		NS	
CHLORIDE	-	mg/l	-		23.2		10.7		18.2		NS		NS		17.2		NS		16		35.8		26.3		NS		NS		NS	
CHROMIUM	*0.05*	mg/l	-		0.0074		0.004	U	0.0040	U	NS		NS		0.032		NS		0.036		0.013		0.021		NS		NS		NS	
Eh	-	M.Volts	-		109		91		124		NS		NS		187		NS		116		69		185		NS		NS		NS	
HEXAVALENT CHROMIUM TOTAL	0.011[2]	mg/l	-		0.01	U	0.010	U	0.010	U	NS		NS		0.026		NS		0.035	H	**0.034**	F1	0.010	U	NS		NS		NS	
LEAD	*0.025*	mg/l	-		0.005	U	0.0050	U	0.0100	U	NS		NS		0.0100	U	NS		0.01	U	0.010	U	0.010	U	NS		NS		NS	
MANGANESE	*0.3*	mg/l	-		0.026		0.0038		0.016		NS		NS		0.023		NS		**0.87**		0.30		**1.00**		NS		NS		NS	
MERCURY	*0.0007*	mg/l	-		0.0002	U	0.00020	U	0.00020	U	NS		NS		0.00020	U	NS		0.0002	U	0.00020	U	0.00020		NS		NS		NS	
PH	*between 6.5 to 8.5*	S.U	-		8.05		7.9		**8.51**		NS		NS		7.69		NS		**8.38**		**9.29**		7.70		NS		NS		NS	
POTASSIUM	-	mg/l	-		11.7		6.3		10.8		NS		NS		11.7		NS		9.6		13.8		10.5		NS		NS		NS	
SELENIUM	0.0046[2]	mg/l	-		0.001	U	0.0010	U	0.0250	U	NS		NS		0.0250	U	NS		0.02	U	0.025	U	0.025	U	NS		NS		NS	
SODIUM	*20*	mg/l	-		17.5		13.3		19.1		NS		NS		16.5		NS		23.6		**46.9**		**43.1**		NS		NS		NS	
SPECIFIC CONDUCTANCE	-	Umhos/cm	-		535		435		480		NS		NS		713		NS		698		456		844		NS		NS		NS	
SULFATE	*250*	mg/l	-		37.2		53.9		15.1		NS		NS		59.6		NS		26		18.1		51.6		NS		NS		NS	
TEMPERATURE	-	°F	-		60.98		51.98		65.48		NS		NS		65.96		NS		75.02		56.1		59.3		NS		NS		NS	
TOTAL DISSOLVED SOLIDS	*not to exceed 500*	mg/l	-		366		281		311		NS		NS		390		NS		384		304		**567**		NS		NS		NS	
TOTAL ORGANIC CARBON	-	mg/l	-		13.9		13.7		18.4		NS		NS		13		NS		15.8		19.6		26.1		NS		NS		NS	
TURBIDITY	*not exceed 5*	N.T.U	-		6.59		3.12		4.69		NS		NS		3.01		NS		3.9		**19.0**		**9.04**		NS		NS		NS	

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SW-1																														
1,1,1,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,1,1-Trichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,1,2,2-Tetrachloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,1,2-Trichloroethane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,1-Dichloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,1-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,2,3-Trichloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,2-Dibromo-3-chloropropane	*0.04*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		2.0	U	NS		2.0	U	2.0	U	2.0	U	NS		NS		NS	
1,2-Dibromoethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,2-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,2-Dichloroethane	*0.6*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,2-Dichloropropane	*1.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
1,4-Dichlorobenzene	*3.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
2-Butanone	-	ug/l	-		10	U	10	U	10	U	NS		NS		10	U	NS		10.0	U	10.0	U	20.0	U*+	NS		NS		NS	
2-Hexanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		10.0	U	NS		10.0	U	5.0	U	10.0	U	NS		NS		NS	
4-Methyl-2-pentanone	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		10.0	U	NS		10.0	U	5.0	U	10.0	U	NS		NS		NS	
Acetone	-	ug/l	-		10.0	U	10.0	U	10.0	U	NS		NS		10.0	U	NS		10.0	U	10.0	U	20.0	U	NS		NS		NS	
Acetonitrile	-	ug/l	-		40.0	U	40.0	U	15.0	U	NS		NS		20.0	U	NS		20.0	U	15.0	U	30.0	U	NS		NS		NS	
Benzene	*1*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Bromochloromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Bromodichloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Bromoform	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Bromomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Carbon Disulfide	*60*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Carbon Tetrachloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Chlorobenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Chloroethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Chloroform	*7.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Chloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
cis-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
cis-1,3-Dichloropropene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Dibromochloromethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Dibromomethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Ethylbenzene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Iodomethane	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U*+	NS		NS		NS	
m/p-Xylenes	-	ug/l	-		2.0	U	2.0	U	2.0	U	NS		NS		2.0	U	NS		2.0	U	2.0	U	2.0	U	NS		NS		NS	
Methylene chloride	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		5.0	U	NS		5.0	U	1.0	U	2.0	U	NS		NS		NS	
o-Xylene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Styrene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Tetrachloroethene	-	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Toluene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
trans-1,2-Dichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
trans-1,3-Dichloropropene	*0.4*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
trans-1,4-Dichloro-2-butene	*5.0*	ug/l	-		5.0	U	5.0	U	1.0	U	NS		NS		2.5	U	NS		2.5	U	1.0	U	2.0	U	NS		NS		NS	
Trichloroethene	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Trichlorofluoromethane	*5.0*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	
Vinyl acetate	-	ug/l	-		5.0	U	5.0	U	5.0	U	NS		NS		2.0	U	NS		2.0	U	5.0	U	10.0	U	NS		NS		NS	
Vinyl chloride	*2*	ug/l	-		1.0	U	1.0	U	1.0	U	NS		NS		1.0	U	NS		1.0	U	1.0	U	2.0	U	NS		NS		NS	

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

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

Qualifiers:

B: Analyte was detected in the associated Method Blank

H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

F1: MS and/or MSD Recovery is outside acceptance limits

U: Not detected at the reporting limit (or MDL or EDL if shown)

^ Instrument related QC is outside acceptance limits

* - LCS or LCSD is outside acceptance limits.

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

*1 - LCS/LCSD RPD exceeds control limits.

*5+ - Linear Range Check (LRC) is outside acceptance limits, high biased.

NS: Not Sampled

Result in Bold Text: Exceeds Class GA Standard

Appendix A

2024 Annual Inspection Letter

LAN ASSOCIATES, INC.
ENVIRONMENTAL CONSULTING
ENGINEERING
PLANNING & ZONING

September 18, 2024

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
2024 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 September 4 & 5, 2024. 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, drainage system, institutional/engineering controls, and overall site conditions. A site plan with updated 2024 photos showing the wells and features related to the landfill is included following this narrative as Attachment 1: Figure 1 – 2024 Site Plan. An inspection checklist was completed documenting the inspection and is included as Attachment 2 – Inspection Checklist & Recommendations. The action items identified during the last inspection (2023) were all verified/documented completed and the site was found in very good overall condition. Photographic Documentation of Completed Corrective Measures identified during the 2024 inspection are included in Attachment 3.

As scheduled, the landfill was mowed (annual maintenance mowing) the week(s) prior to the site inspection. A-1 Land Care, Inc. has been conducting the mowing historically and they have gained good site knowledge over the years from meeting LAN personnel onsite, the expectations of work to be conducted, where site features are located, and have been proactive on any follow-up work requested. Overall, the landfill cover system was in very good condition. The vegetative cover grasses were healthy, in good condition and growing site-wide. The mowed site allowed for proper inspection of the engineering controls. The cover system showed no signs of erosion, tension cracking, slumping/subsidence, animal burrowing, bare spots, structural/chemical stresses, woody deep-rooted vegetation in the landfill cells, or other indications of problems. No areas were identified which may allow infiltration of stormwater. Photographic documentation is provided as Attachment 3. Attachment 4 is Figure 2 – Corrective Actions Map. Potential recommended corrective actions (see attachments 2 & 4) for the boundary fence are detailed later within this inspection letter.

All monitoring wells and sampling points were inspected and in good condition. Groundwater, surface water and leachate sump sampling were scheduled to coincide with LAN's site inspection. LAN met with the sampling team from Barton & Loguidice (B&L) to review methodology, equipment used and discuss any observations or findings from the inspection prior to sampling. LAN observed the sampling, sampling procedure and collection of laboratory samples. Groundwater/Leachate sampling was successfully completed, and all samples were properly preserved. The sampling team delivered the samples to Eurofins, the certified laboratory, for analysis. A surface water sample at SW-1 was not collected as no standing water was present at the sampling location. Photographic documentation is provided as Attachment 3.

All site fencing was inspected. The fence system serves as a main engineering control, providing access control. All fencing and gates were in good condition. Previous fence improvements and vegetative management efforts have proven effective. No excessive vegetative growth that may impede the function of this control structure, such

as vines or weeds were observed within/overtopping the fence. Photographs of the fence system documenting the condition of it during the inspection are included in Attachment 3. A few areas where future vegetative management may be warranted for preventive maintenance/longevity of the fence are detailed within the recommended corrective action section of this inspection letter.

The surface water drainage system is designed with partial sheet-flow and a series of connected catch basins (see Attachment 1: Figure 1). The stormwater catch basins are connected by culverts, eventually exiting the site at SW-1 (sampling location) via gravity flow. The drainage system was inspected and found to be in working condition and functioning as designed. The repaired and marked culvert ends are conveying storm/surface water forthwith. The marking stakes are providing culvert protection from future damage during mowing activities by allowing location identification by the equipment operator in the high grasses. According to local residents, substantial rain fell in the previous two weeks of the inspection. No standing water was observed anywhere on-site during the inspection, further indicating proper function of the drainage system.

Recommended 2024 corrective actions are listed on the last page of the inspection checklist in Attachment 2 and the locations are depicted in Attachment 4 on Figure 2, Corrective Actions Map. The 2024 inspection identified one (1) potential corrective action be taken at two (2) locations for the protection/longevity of the fence system engineering control. Any implemented corrective measures should be based on future inspections and site conditions. If warranted, future vegetative management of the southern fence line and the central portion of the northern fence may be conducted to protect the fence and extend its lifespan. Photographic documentation depicting the current fence condition is provided in Attachment 3. No current/further corrective action measures, based on the 2024 inspection, are recommended.

When LAN receives the groundwater analytical report from the laboratory, the 2024 groundwater quality data will be compiled into a groundwater report and all information, including the site maintenance work will be combined/compiled, including the findings of this inspection into the 2024 Annual Maintenance & Monitoring Report (Annual Report). Once reviewed/approved by CCMA, LAN will submit the Annual Report to NYSDEC, as required. After submission of the 2024 Annual Report, LAN will provide electronic submission of data into NYSDEC's electronic data management system. If you have any questions or concerns, please feel free to contact me.

Very truly yours,

Chris L. Callegari, P.G.
President

Attachments:
Attachment 1, Figure 1 – 2024 Site Plan
Attachment 2, Inspection Checklist & Recommendations
Attachment 3, Photographic Documentation
Attachment 4, Figure 2 - Corrective Actions Map

Cc:
Alice Brown, abrown@ccmetals.com
Bobby Henley, bhenley@ccmetals.com
Daniela Rost, daniela@ualloys.com
LAN File, 2.3146.92.1; Inspections 2024

Attachment 1 ;Figure 1

2024 Site Plan

LEGEND:

- MONITORING WELL
- SURFACE WATER SAMPLE
- SUMP SAMPLE
- CULVERTS

WITMER ROAD

GATE

PROPERTY SUBDIVISION LINE

TIE-IN MANHOLE

EXISTING STORM SEWER

MUNICIPAL STORM SEWER

CELL 1

CELL 2

MW-3R

MW-BR1

LS-1

MW-5R

MW-14N

SW-1

MW-12

SCALE
0 75 150
(IN FEET)

LAN ASSOCIATES, INC. CONSULTING • ENGINEERING • PLANNING 59 RIBERIA STREET, SUITE 400 ST. AUGUSTINE, FL 32084-3584 (904)824-5999	2024 SITE PLAN	Figure: 1
	CC METALS AND ALLOYS, LLC WITMER ROAD LANDFILL NIAGARA, NEW YORK	Job No.: 2.3146.92.1

DATE: 09/11/24

Attachment 2

Inspection Checklist & Recommendations

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

Date 9/5/2024
Weather Conditions Sunny & warm 68°-79°
Inspector Chris Callegari, P.E.
LAN President
Project/file # 2.3146.92.1

CC Metals and Alloys, LLC
Witmer Road Landfill Inspection Checklist

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).

No slumping/subsidence, tension cracking, animal burrowing, standing surface water, site cover system breaks, structural damage or other indications of problems/conditions of concern were noted/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.

No erosional features (swales, gullies, washouts, etc.) were found during the inspection. Vegitation was observed being healthy and no dust was observed anywhere (on the ground or blowing), nor is it expected.

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

The landfill vegetative cover was in very good to good condition, recently mowed, with no bare spots. The cover grasses are consistent across the site.

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

Date 9/5/2024
Weather Conditions Sunny & Warm
Inspector Chris Callegari, P.G.
2.3146.92.1 - File #

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

Woody vegitation is not present at or within the landfill Cells. Existing trees are not negatively impacting the vegitative cover system. No woody species or weeds are overtaking/out-competing the cover grasses.

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.

Each monitoring well & bollard cluster were inspected and photographed. The groundwater MWs & bollards are in good condition, including the MW pads and MW protective casings/locks.

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

Drainage flow and piping system were observed in good condition, with no standing water. The system, including SW-1, were unobstructed allowing flow and functioning as designed.

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

The leachate sump collection tank was observed in good condition, no cracks or structural damage was seen.

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• ENGINEERING
• PLANNING & ZONING

Date 9/5/2024
Weather Conditions Sunny and warm
Inspector Chris Callegari, P.E.
File # 2.3146.92.1

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 was observed in good condition, functioning properly as designed. No indications of problems, erosion, blockage, or other problematic conditions. No standing water was present.

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

The system is in good condition and functioning as designed. No erosional features, subsidence or blockage was noted during the inspection.

Property

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

The engineering control fence system was inspected in its entirety around the perimeter of the site, which provides site security. The fence & gates are in very good to good condition. Some vegitative management in the future may be warranted based on future inspections, for longevity.

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

All areas/sections of the site were inspected thoroughly for any condition which may hinder the functionality of the institutional/engineering controls. No issue or condition were found. Complete photodocumentation was collected along with the inspection documents as evidence of the site condition.

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Date 9/5/2024
Weather Conditions Sunny & Warm
Inspector Chris Callegari, P.G.
File # 2.3146.92.1

CC Metals and Alloys, LLC
Checklist of Recommended Corrective Actions

Item Number	Item	Action Taken	Date of Correction	Signature
1	Some vegitation is growing on the fence along the southern and central portion of the northern fence. To protect the fence and provide a longer life-span, it may be prudent to conduct some maintenance in the future based on upcoming inspections.	Apply herbicide to kill grape vine and other vegitation on fence	Potentially 2025 or 2026	CJL

Attachment 3

Photographic Documentation

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

Attachment 3 - Photographic Documentation

Landfill Mowing

2024 Landfill Prior To Mowing

2024 Landfill Prior To Mowing

2024 Landfill Mowed

2024 Landfill Mowed

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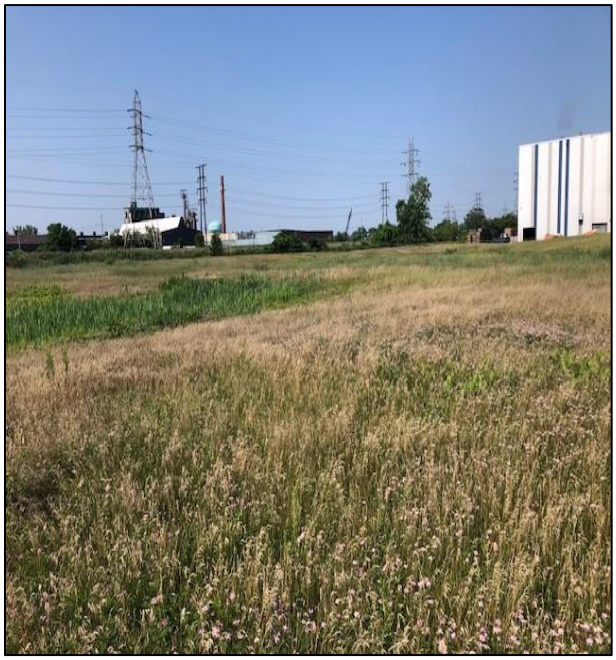
Landfill Mowing



2024 Landfill Prior To Mowing

2024 Landfill Prior To Mowing

2024 Landfill Mowed

2024 Landfill Mowed

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Monitoring Wells, Leachate Sump, SW-1

MW-14N


MW-5R

BR-1

MW-3R

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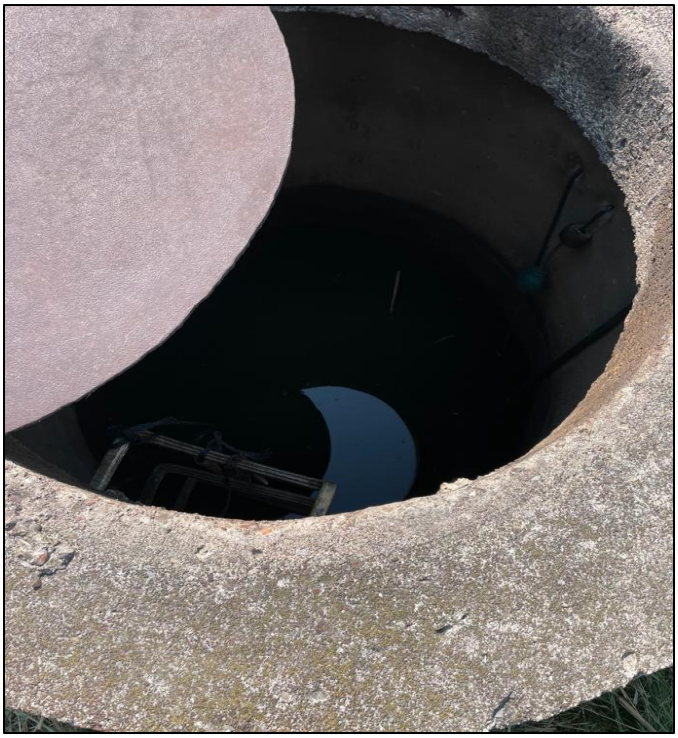
• PLANNING & ZONING

Monitoring Wells, Leachate Sump, SW-1

Opened Leachate Sump



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Monitoring Wells, Leachate Sump, SW-1

SW-1

Sampling

Sampling

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• Planning & Zoning

Fencing

Witmer Road Street Sign

Entry Gate Off Witmer Road

First Section of Fence Running South

Next Section of Fence Running South

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Fencing

Next Section of Fence Running South

Locked Gate Onto Adjoining Property

Southern Corner Of Fence

Southern Boundary Fence Running West

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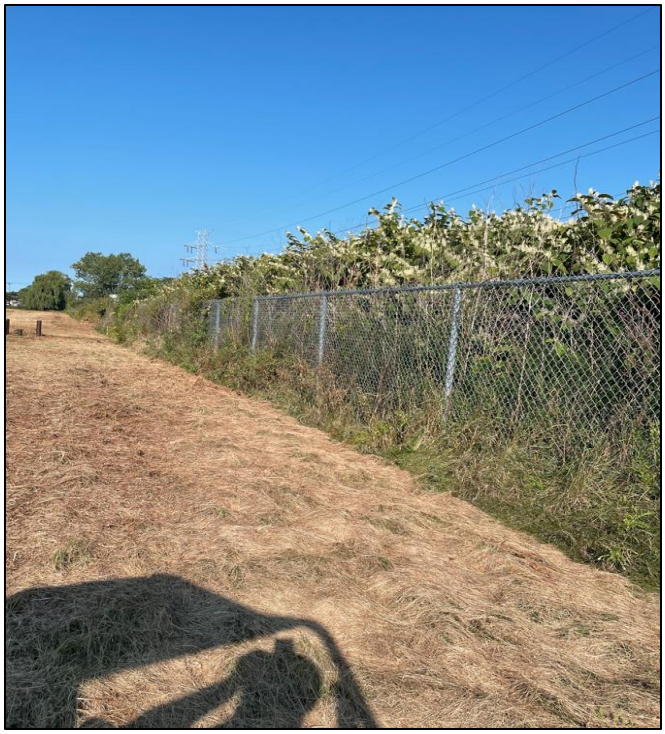
Fencing

Small Section Of Fence SW Corner Facing N

Next Section of Running N To Base Of Cell 2

Last Section of Fence Running N to N Property



Northern Fenceline Running Looking East

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• PLANNING & ZONING

Drainage/Culvert

Culverts Connecting The Stormwater System

Culverts Connecting The Stormwater System

Culverts Connecting The Stormwater System

Culverts Connecting The Stormwater System

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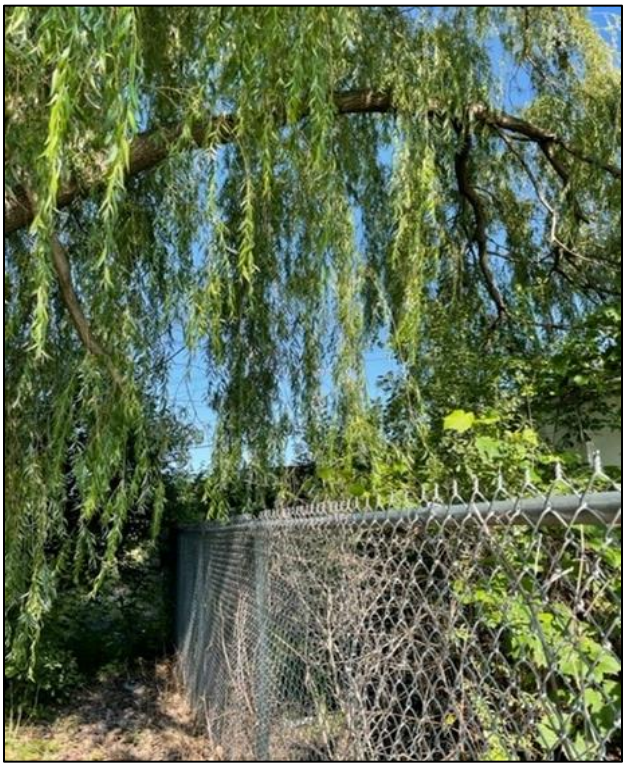
Corrective Action



2023 Corrective Action (Willow Tree Overhang)

2024 Corrective Action (Completed)

2023 Corrective Action (Prune Tree)

2024 Corrective Action (Completed)

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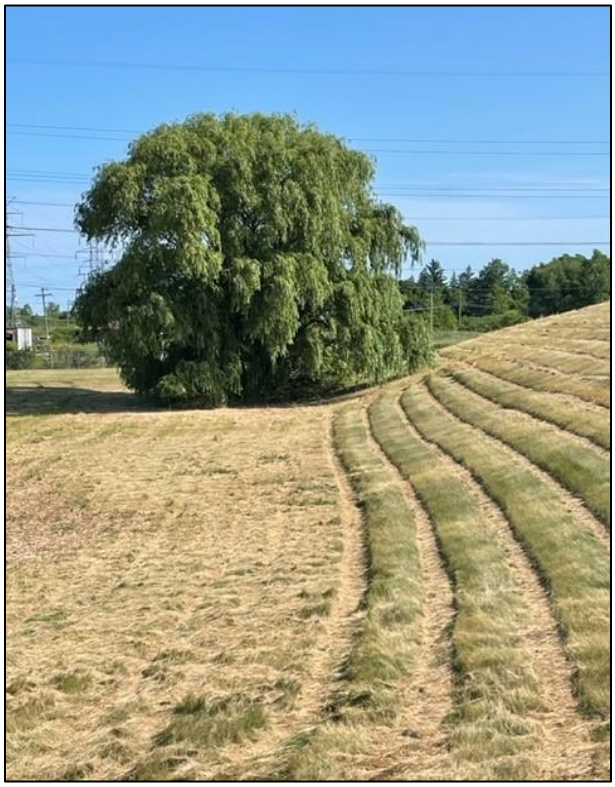
Corrective Action

2023 Corrective Action (Remove Tree Limbs)

2024 Corrective Action (Completed)



2023 Corrective Action (Remove Undergrowth)

2024 Corrective Action (Completed)

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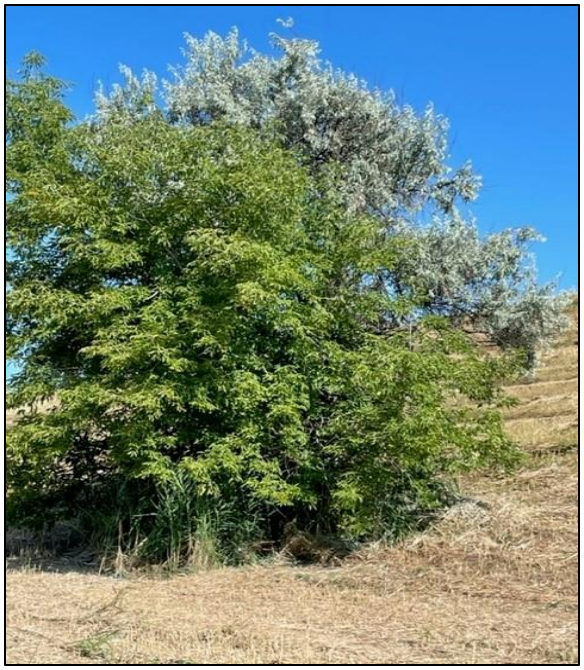
Corrective Action



2023 Corrective Action (Remove Trees)

2024 Corrective Action (Completed)

2023 Corrective Action (Place Stakes)

2024 Corrective Action (Completed)

Attachment 4; Figure2

Corrective Actions Map

Inspector: Chris Callegari, P.G.	**Recommended Corrective Actions Map; 2024 Inspection** CC Metals and Alloys, LLC. Witmer Road Landfill Niagara, NY	Creation Date: 09/2024
Drawn: AM		
Checked: CLC		Figure: 2
Not to scale	LAN Associates, Inc. Environmental Consulting Engineering Planning & Zoning	Job No: 2.3146.92.1

Appendix B

2024 Eurofins Laboratory Analytical Report

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/3/2024 3:11:22 PM Revision 1

JOB DESCRIPTION

Witmer Road G/W

JOB NUMBER

480-223054-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Revision 1

Authorized for release by
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
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Definitions/Glossary

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

Job ID: 480-223054-1

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.
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

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 Narrative
480-223054-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision
The report being provided is a revision of the original report sent on 9/11/2024. The report (revision 1) is being revised due to: Vaule for Specific Conductance needed correction.

Receipt
The samples were received on 9/4/2024 2:27 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.4º C and 3.7º 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: LS-1 (480-223054-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-724051 recovered outside control limits for the following analyte(s): Bromomethane. Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-724051 . The following samples were affected : MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-14N (480-223054-4), MW-5R (480-223054-5), LS-1 (480-223054-6) and Trip Blank (480-223054-7).

Method 8260C: Due to the coelution of 2-Chloro-1,3-butadiene with Vinyl acetate in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-724051 . The following samples were affected : MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-14N (480-223054-4), MW-5R (480-223054-5), LS-1 (480-223054-6) and Trip Blank (480-223054-7).

Method 8260C: Due to the coelution of 3-Chloro-1-propene with Acetonitrile in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-724051 . The following samples were affected : MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-14N (480-223054-4), MW-5R (480-223054-5), LS-1 (480-223054-6) and Trip Blank (480-223054-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-724051 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-14N (480-223054-4), MW-5R (480-223054-5), LS-1 (480-223054-6) and Trip Blank (480-223054-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-724051 recovered above the upper control limit for Acetonitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-14N (480-223054-4), MW-5R (480-223054-5), LS-1 (480-223054-6) and Trip Blank (480-223054-7).

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

HPLC/IC

Job ID: 480-223054-1 (Continued) Eurofins Buffalo

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW-BR-1 (480-223054-1), MW-3R (480-223054-2), MW-12 (480-223054-3), MW-5R (480-223054-5) and LS-1 (480-223054-6). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-14N (480-223054-4). 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
Method SM 3500 CR B: The following sample was analyzed outside of analytical holding time due to instrumentation failure: MW-3R (480-223054-2).

Method SM 3500 CR B: Reanalysis of the following sample was performed outside of the analytical holding time due to needing reanalysis for a historical detect : LS-1 (480-223054-6).

Method SM 3500 CR B: The initial calibration verification (ICV) result for batch 480-724556 was above the upper control limit. The affected analytes are: hex. Sample results were non-detects, and have been reported as qualified data.

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

Detection Summary

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

Job ID: 480-223054-1

Client Sample ID: MW-BR-1 — Lab Sample ID: 480-223054-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	5.2		1.0		ug/L	1		8260C	Total/NA
Barium	0.10		0.0020		mg/L	1		6010C	Total/NA
Boron	0.10		0.020		mg/L	1		6010C	Total/NA
Manganese	0.16		0.0030		mg/L	1		6010C	Total/NA
Potassium	4.8		0.50		mg/L	1		6010C	Total/NA
Sodium	97.0		1.0		mg/L	1		6010C	Total/NA
Chloride	166		2.5		mg/L	5		300.0	Total/NA
Sulfate	121		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	717		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.4		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	20				millivolts	1		Field Sampling	Total/NA
pH, Field	7.50				SU	1		Field Sampling	Total/NA
Specific Conductance	1269				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	57.5				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	2.66				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-3R — Lab Sample ID: 480-223054-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0020		mg/L	1		6010C	Total/NA
Boron	0.14		0.020		mg/L	1		6010C	Total/NA
Manganese	0.054		0.0030		mg/L	1		6010C	Total/NA
Potassium	0.83		0.50		mg/L	1		6010C	Total/NA
Sodium	51.7		1.0		mg/L	1		6010C	Total/NA
Chloride	77.5		2.5		mg/L	5		300.0	Total/NA
Sulfate	169		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	10.1		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	826		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.5		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	209				millivolts	1		Field Sampling	Total/NA
pH, Field	7.68				SU	1		Field Sampling	Total/NA
Specific Conductance	1285				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	61.9				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	0.88				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-223054-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	12		1.0		ug/L	1		8260C	Total/NA
Barium	0.055		0.0020		mg/L	1		6010C	Total/NA
Boron	0.15		0.020		mg/L	1		6010C	Total/NA
Manganese	1.2		0.0030		mg/L	1		6010C	Total/NA
Potassium	3.8		0.50		mg/L	1		6010C	Total/NA
Sodium	83.1		1.0		mg/L	1		6010C	Total/NA
Chloride	138		2.5		mg/L	5		300.0	Total/NA
Sulfate	120		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	793		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.3		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	-17				millivolts	1		Field Sampling	Total/NA
pH, Field	7.18				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

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

Job ID: 480-223054-1

Client Sample ID: MW-12 (Continued) — Lab Sample ID: 480-223054-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	1339				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	60.0				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	3.42				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-14N — Lab Sample ID: 480-223054-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	23		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	4.9		1.0		ug/L	1		8260C	Total/NA
Barium	0.12		0.0020		mg/L	1		6010C	Total/NA
Boron	0.10		0.020		mg/L	1		6010C	Total/NA
Manganese	0.15		0.0030		mg/L	1		6010C	Total/NA
Potassium	2.5		0.50		mg/L	1		6010C	Total/NA
Sodium	78.6		1.0		mg/L	1		6010C	Total/NA
Bromide	1.1		1.0		mg/L	5		300.0	Total/NA
Chloride	125		2.5		mg/L	5		300.0	Total/NA
Sulfate	220		10.0		mg/L	5		300.0	Total/NA
Total Dissolved Solids	922		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.5		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	1.82				millivolts	1		Field Sampling	Total/NA
pH, Field	7.79				SU	1		Field Sampling	Total/NA
Specific Conductance	1427				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	58.9				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	1.94				NTU	1		Field Sampling	Total/NA

Client Sample ID: MW-5R — Lab Sample ID: 480-223054-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.2		1.0		ug/L	1		8260C	Total/NA
Barium	0.093		0.0020		mg/L	1		6010C	Total/NA
Boron	0.19		0.020		mg/L	1		6010C	Total/NA
Manganese	0.12		0.0030		mg/L	1		6010C	Total/NA
Potassium	26.2		0.50		mg/L	1		6010C	Total/NA
Sodium	77.6		1.0		mg/L	1		6010C	Total/NA
Bromide	1.8		1.0		mg/L	5		300.0	Total/NA
Chloride	94.8		2.5		mg/L	5		300.0	Total/NA
Sulfate	167		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	16.1		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	601		10.0		mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	5.8		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	214				millivolts	1		Field Sampling	Total/NA
pH, Field	8.29				SU	1		Field Sampling	Total/NA
Specific Conductance	980.1				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	60.1				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	0.85				NTU	1		Field Sampling	Total/NA

Client Sample ID: LS-1 — Lab Sample ID: 480-223054-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.056		0.0020		mg/L	1		6010C	Total/NA
Boron	0.37		0.020		mg/L	1		6010C	Total/NA
Chromium	0.035		0.0040		mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: LS-1 (Continued) — Lab Sample ID: 480-223054-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.012		0.0030		mg/L	1		6010C	Total/NA
Potassium	77.5		0.50		mg/L	1		6010C	Total/NA
Sodium	63.1		1.0		mg/L	1		6010C	Total/NA
Bromide	2.7		1.0		mg/L	5		300.0	Total/NA
Chloride	120		2.5		mg/L	5		300.0	Total/NA
Sulfate	132		10.0		mg/L	5		300.0	Total/NA
Chemical Oxygen Demand	16.9		10.0		mg/L	1		410.4	Total/NA
Total Dissolved Solids	507		10.0		mg/L	1		SM 2540C	Total/NA
Cr (VI)	0.027		0.010		mg/L	1		SM 3500 CR B	Total/NA
Total Organic Carbon	7.0		1.0		mg/L	1		SM 5310C	Total/NA
Field EH/ORP	287				millivolts	1		Field Sampling	Total/NA
pH, Field	8.28				SU	1		Field Sampling	Total/NA
Specific Conductance	1107				umhos/cm	1		Field Sampling	Total/NA
Temperature, Field (C)	64.9				Degrees F	1		Field Sampling	Total/NA
Turbidity, Field	1.62				NTU	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-223054-7

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-223054-1

Client Sample ID: MW-BR-1

Date Collected: 09/04/24 13:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 16:54	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 16:54	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 16:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 16:54	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 16:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 16:54	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 16:54	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 16:54	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 16:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 16:54	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 16:54	1
2-Hexanone	ND		5.0		ug/L			09/05/24 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 16:54	1
Acetone	ND		10		ug/L			09/05/24 16:54	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 16:54	1
Benzene	ND		1.0		ug/L			09/05/24 16:54	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 16:54	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 16:54	1
Bromoform	ND		1.0		ug/L			09/05/24 16:54	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 16:54	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 16:54	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 16:54	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 16:54	1
Chloroethane	ND		1.0		ug/L			09/05/24 16:54	1
Chloroform	ND		1.0		ug/L			09/05/24 16:54	1
Chloromethane	ND		1.0		ug/L			09/05/24 16:54	1
cis-1,2-Dichloroethene	**1.2**		1.0		ug/L			09/05/24 16:54	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 16:54	1
Cyclohexane	ND		1.0		ug/L			09/05/24 16:54	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 16:54	1
Dibromomethane	ND		1.0		ug/L			09/05/24 16:54	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 16:54	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 16:54	1
Iodomethane	ND		1.0		ug/L			09/05/24 16:54	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 16:54	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 16:54	1
Methyl acetate	ND		2.5		ug/L			09/05/24 16:54	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 16:54	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 16:54	1
o-Xylene	ND		1.0		ug/L			09/05/24 16:54	1
Styrene	ND		1.0		ug/L			09/05/24 16:54	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 16:54	1
Toluene	ND		1.0		ug/L			09/05/24 16:54	1

Client Sample ID: MW-BR-1

Date Collected: 09/04/24 13:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 16:54	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 16:54	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 16:54	1
Trichloroethene	ND		1.0		ug/L			09/05/24 16:54	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 16:54	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 16:54	1
Vinyl chloride	**5.2**		1.0		ug/L			09/05/24 16:54	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*09/05/24 16:54*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*09/05/24 16:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/05/24 16:54*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*09/05/24 16:54*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:33	1
Barium	**0.10**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:33	1
Boron	**0.10**		0.020		mg/L		09/06/24 08:47	09/06/24 14:33	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:33	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 14:44	1
Manganese	**0.16**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:33	1
Potassium	**4.8**		0.50		mg/L		09/06/24 08:47	09/06/24 14:33	1
Sodium	**97.0**		1.0		mg/L		09/06/24 08:47	09/06/24 14:33	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			09/06/24 12:38	5
Chloride (EPA 300.0)	**166**		2.5		mg/L			09/06/24 12:38	5
Sulfate (EPA 300.0)	**121**		10.0		mg/L			09/06/24 12:38	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			09/05/24 16:08	1
Total Dissolved Solids (SM 2540C)	**717**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	ND	F1	0.010		mg/L			09/05/24 10:47	1
Total Organic Carbon (SM 5310C)	**2.4**		1.0		mg/L			09/10/24 03:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**20**				millivolts			09/04/24 13:22	1
pH, Field	**7.50**				SU			09/04/24 13:22	1
Specific Conductance	**1269**				umhos/cm			09/04/24 13:22	1
Temperature, Field (C)	**57.5**				Degrees F			09/04/24 13:22	1
Turbidity, Field	**2.66**				NTU			09/04/24 13:22	1

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

Job ID: 480-223054-1

Client Sample ID: MW-3R
Date Collected: 09/04/24 10:45
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 17:18	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 17:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 17:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 17:18	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 17:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:18	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 17:18	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 17:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:18	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 17:18	1
2-Hexanone	ND		5.0		ug/L			09/05/24 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 17:18	1
Acetone	ND		10		ug/L			09/05/24 17:18	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 17:18	1
Benzene	ND		1.0		ug/L			09/05/24 17:18	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 17:18	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 17:18	1
Bromoform	ND		1.0		ug/L			09/05/24 17:18	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 17:18	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 17:18	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 17:18	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 17:18	1
Chloroethane	ND		1.0		ug/L			09/05/24 17:18	1
Chloroform	ND		1.0		ug/L			09/05/24 17:18	1
Chloromethane	ND		1.0		ug/L			09/05/24 17:18	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 17:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 17:18	1
Cyclohexane	ND		1.0		ug/L			09/05/24 17:18	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 17:18	1
Dibromomethane	ND		1.0		ug/L			09/05/24 17:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 17:18	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 17:18	1
Iodomethane	ND		1.0		ug/L			09/05/24 17:18	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 17:18	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 17:18	1
Methyl acetate	ND		2.5		ug/L			09/05/24 17:18	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 17:18	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 17:18	1
o-Xylene	ND		1.0		ug/L			09/05/24 17:18	1
Styrene	ND		1.0		ug/L			09/05/24 17:18	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 17:18	1
Toluene	ND		1.0		ug/L			09/05/24 17:18	1

Client Sample ID: MW-3R

Date Collected: 09/04/24 10:45
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 17:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 17:18	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 17:18	1
Trichloroethene	ND		1.0		ug/L			09/05/24 17:18	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 17:18	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 17:18	1
Vinyl chloride	ND		1.0		ug/L			09/05/24 17:18	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*09/05/24 17:18*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*09/05/24 17:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/05/24 17:18*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*09/05/24 17:18*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:48	1
Barium	**0.040**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:48	1
Boron	**0.14**		0.020		mg/L		09/06/24 08:47	09/06/24 14:48	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:48	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 14:59	1
Manganese	**0.054**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:48	1
Potassium	**0.83**		0.50		mg/L		09/06/24 08:47	09/06/24 14:48	1
Sodium	**51.7**		1.0		mg/L		09/06/24 08:47	09/06/24 14:48	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			09/06/24 12:56	5
Chloride (EPA 300.0)	**77.5**		2.5		mg/L			09/06/24 12:56	5
Sulfate (EPA 300.0)	**169**		10.0		mg/L			09/06/24 12:56	5
Chemical Oxygen Demand (EPA 410.4)	**10.1**		10.0		mg/L			09/05/24 16:11	1
Total Dissolved Solids (SM 2540C)	**826**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	ND	H	0.010		mg/L			09/05/24 10:51	1
Total Organic Carbon (SM 5310C)	**2.5**		1.0		mg/L			09/10/24 04:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**209**				millivolts			09/04/24 10:45	1
pH, Field	**7.68**				SU			09/04/24 10:45	1
Specific Conductance	**1285**				umhos/cm			09/04/24 10:45	1
Temperature, Field (C)	**61.9**				Degrees F			09/04/24 10:45	1
Turbidity, Field	**0.88**				NTU			09/04/24 10:45	1

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

Job ID: 480-223054-1

Client Sample ID: MW-12

Date Collected: 09/04/24 11:30
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 17:43	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 17:43	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 17:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 17:43	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 17:43	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:43	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 17:43	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 17:43	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:43	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 17:43	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 17:43	1
2-Hexanone	ND		5.0		ug/L			09/05/24 17:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 17:43	1
Acetone	ND		10		ug/L			09/05/24 17:43	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 17:43	1
Benzene	ND		1.0		ug/L			09/05/24 17:43	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 17:43	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 17:43	1
Bromoform	ND		1.0		ug/L			09/05/24 17:43	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 17:43	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 17:43	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 17:43	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 17:43	1
Chloroethane	ND		1.0		ug/L			09/05/24 17:43	1
Chloroform	ND		1.0		ug/L			09/05/24 17:43	1
Chloromethane	ND		1.0		ug/L			09/05/24 17:43	1
cis-1,2-Dichloroethene	**2.0**		1.0		ug/L			09/05/24 17:43	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 17:43	1
Cyclohexane	ND		1.0		ug/L			09/05/24 17:43	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 17:43	1
Dibromomethane	ND		1.0		ug/L			09/05/24 17:43	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 17:43	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 17:43	1
Iodomethane	ND		1.0		ug/L			09/05/24 17:43	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 17:43	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 17:43	1
Methyl acetate	ND		2.5		ug/L			09/05/24 17:43	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 17:43	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 17:43	1
o-Xylene	ND		1.0		ug/L			09/05/24 17:43	1
Styrene	ND		1.0		ug/L			09/05/24 17:43	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 17:43	1
Toluene	ND		1.0		ug/L			09/05/24 17:43	1

Client Sample ID: MW-12

Date Collected: 09/04/24 11:30
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 17:43	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 17:43	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 17:43	1
Trichloroethene	ND		1.0		ug/L			09/05/24 17:43	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 17:43	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 17:43	1
Vinyl chloride	**12**		1.0		ug/L			09/05/24 17:43	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*09/05/24 17:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/05/24 17:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/05/24 17:43*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*09/05/24 17:43*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:50	1
Barium	**0.055**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:50	1
Boron	**0.15**		0.020		mg/L		09/06/24 08:47	09/06/24 14:50	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:50	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 15:01	1
Manganese	**1.2**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:50	1
Potassium	**3.8**		0.50		mg/L		09/06/24 08:47	09/06/24 14:50	1
Sodium	**83.1**		1.0		mg/L		09/06/24 08:47	09/06/24 14:50	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0		mg/L			09/06/24 13:14	5
Chloride (EPA 300.0)	**138**		2.5		mg/L			09/06/24 13:14	5
Sulfate (EPA 300.0)	**120**		10.0		mg/L			09/06/24 13:14	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			09/05/24 16:13	1
Total Dissolved Solids (SM 2540C)	**793**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			09/05/24 10:50	1
Total Organic Carbon (SM 5310C)	**2.3**		1.0		mg/L			09/10/24 05:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**-17**				millivolts			09/04/24 11:30	1
pH, Field	**7.18**				SU			09/04/24 11:30	1
Specific Conductance	**1339**				umhos/cm			09/04/24 11:30	1
Temperature, Field (C)	**60.0**				Degrees F			09/04/24 11:30	1
Turbidity, Field	**3.42**				NTU			09/04/24 11:30	1

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

Job ID: 480-223054-1

Client Sample ID: MW-14N
Date Collected: 09/04/24 12:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 18:07	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 18:07	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 18:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 18:07	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 18:07	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:07	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 18:07	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 18:07	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:07	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:07	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 18:07	1
2-Hexanone	ND		5.0		ug/L			09/05/24 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 18:07	1
Acetone	ND		10		ug/L			09/05/24 18:07	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 18:07	1
Benzene	ND		1.0		ug/L			09/05/24 18:07	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 18:07	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 18:07	1
Bromoform	ND		1.0		ug/L			09/05/24 18:07	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 18:07	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 18:07	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 18:07	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 18:07	1
Chloroethane	ND		1.0		ug/L			09/05/24 18:07	1
Chloroform	ND		1.0		ug/L			09/05/24 18:07	1
Chloromethane	ND		1.0		ug/L			09/05/24 18:07	1
cis-1,2-Dichloroethene	**23**		1.0		ug/L			09/05/24 18:07	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 18:07	1
Cyclohexane	ND		1.0		ug/L			09/05/24 18:07	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 18:07	1
Dibromomethane	ND		1.0		ug/L			09/05/24 18:07	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 18:07	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 18:07	1
Iodomethane	ND		1.0		ug/L			09/05/24 18:07	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 18:07	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 18:07	1
Methyl acetate	ND		2.5		ug/L			09/05/24 18:07	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 18:07	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 18:07	1
o-Xylene	ND		1.0		ug/L			09/05/24 18:07	1
Styrene	ND		1.0		ug/L			09/05/24 18:07	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 18:07	1
Toluene	ND		1.0		ug/L			09/05/24 18:07	1

Client Sample ID: MW-14N

Date Collected: 09/04/24 12:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 18:07	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 18:07	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 18:07	1
Trichloroethene	ND		1.0		ug/L			09/05/24 18:07	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 18:07	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 18:07	1
Vinyl chloride	**4.9**		1.0		ug/L			09/05/24 18:07	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/05/24 18:07*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*09/05/24 18:07*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/05/24 18:07*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/05/24 18:07*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:52	1
Barium	**0.12**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:52	1
Boron	**0.10**		0.020		mg/L		09/06/24 08:47	09/06/24 14:52	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:52	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 15:03	1
Manganese	**0.15**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:52	1
Potassium	**2.5**		0.50		mg/L		09/06/24 08:47	09/06/24 14:52	1
Sodium	**78.6**		1.0		mg/L		09/06/24 08:47	09/06/24 14:52	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.1**		1.0		mg/L			09/06/24 13:32	5
Chloride (EPA 300.0)	**125**		2.5		mg/L			09/06/24 13:32	5
Sulfate (EPA 300.0)	**220**		10.0		mg/L			09/06/24 13:32	5
Chemical Oxygen Demand (EPA 410.4)	ND		10.0		mg/L			09/05/24 16:23	1
Total Dissolved Solids (SM 2540C)	**922**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			09/05/24 10:52	1
Total Organic Carbon (SM 5310C)	**2.5**		1.0		mg/L			09/10/24 05:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**1.82**				millivolts			09/04/24 12:22	1
pH, Field	**7.79**				SU			09/04/24 12:22	1
Specific Conductance	**1427**				umhos/cm			09/04/24 12:22	1
Temperature, Field (C)	**58.9**				Degrees F			09/04/24 12:22	1
Turbidity, Field	**1.94**				NTU			09/04/24 12:22	1

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

Job ID: 480-223054-1

Client Sample ID: MW-5R
Date Collected: 09/04/24 13:21
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 18:32	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 18:32	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 18:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 18:32	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 18:32	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:32	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 18:32	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 18:32	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:32	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 18:32	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 18:32	1
2-Hexanone	ND		5.0		ug/L			09/05/24 18:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 18:32	1
Acetone	ND		10		ug/L			09/05/24 18:32	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 18:32	1
Benzene	ND		1.0		ug/L			09/05/24 18:32	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 18:32	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 18:32	1
Bromoform	ND		1.0		ug/L			09/05/24 18:32	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 18:32	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 18:32	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 18:32	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 18:32	1
Chloroethane	ND		1.0		ug/L			09/05/24 18:32	1
Chloroform	ND		1.0		ug/L			09/05/24 18:32	1
Chloromethane	ND		1.0		ug/L			09/05/24 18:32	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 18:32	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 18:32	1
Cyclohexane	ND		1.0		ug/L			09/05/24 18:32	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 18:32	1
Dibromomethane	ND		1.0		ug/L			09/05/24 18:32	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 18:32	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 18:32	1
Iodomethane	ND		1.0		ug/L			09/05/24 18:32	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 18:32	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 18:32	1
Methyl acetate	ND		2.5		ug/L			09/05/24 18:32	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 18:32	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 18:32	1
o-Xylene	ND		1.0		ug/L			09/05/24 18:32	1
Styrene	ND		1.0		ug/L			09/05/24 18:32	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 18:32	1
Toluene	ND		1.0		ug/L			09/05/24 18:32	1

Client Sample ID: MW-5R

Date Collected: 09/04/24 13:21
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 18:32	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 18:32	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 18:32	1
Trichloroethene	ND		1.0		ug/L			09/05/24 18:32	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 18:32	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 18:32	1
Vinyl chloride	**1.2**		1.0		ug/L			09/05/24 18:32	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 120*		*09/05/24 18:32*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*09/05/24 18:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/05/24 18:32*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*09/05/24 18:32*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:54	1
Barium	**0.093**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:54	1
Boron	**0.19**		0.020		mg/L		09/06/24 08:47	09/06/24 14:54	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:54	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 15:05	1
Manganese	**0.12**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:54	1
Potassium	**26.2**		0.50		mg/L		09/06/24 08:47	09/06/24 14:54	1
Sodium	**77.6**		1.0		mg/L		09/06/24 08:47	09/06/24 14:54	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**1.8**		1.0		mg/L			09/06/24 15:02	5
Chloride (EPA 300.0)	**94.8**		2.5		mg/L			09/06/24 15:02	5
Sulfate (EPA 300.0)	**167**		10.0		mg/L			09/06/24 15:02	5
Chemical Oxygen Demand (EPA 410.4)	**16.1**		10.0		mg/L			09/05/24 16:28	1
Total Dissolved Solids (SM 2540C)	**601**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	ND		0.010		mg/L			09/05/24 10:53	1
Total Organic Carbon (SM 5310C)	**5.8**		1.0		mg/L			09/10/24 05:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**214**				millivolts			09/04/24 13:21	1
pH, Field	**8.29**				SU			09/04/24 13:21	1
Specific Conductance	**980.1**				umhos/cm			09/04/24 13:21	1
Temperature, Field (C)	**60.1**				Degrees F			09/04/24 13:21	1
Turbidity, Field	**0.85**				NTU			09/04/24 13:21	1

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

Job ID: 480-223054-1

Client Sample ID: LS-1
Date Collected: 09/04/24 11:07
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1,1-Trichloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1,2-Trichloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1-Dichloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,1-Dichloroethene	ND		2.0		ug/L			09/05/24 18:57	2
1,2,3-Trichloropropane	ND		2.0		ug/L			09/05/24 18:57	2
1,2,4-Trichlorobenzene	ND		2.0		ug/L			09/05/24 18:57	2
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			09/05/24 18:57	2
1,2-Dibromoethane	ND		2.0		ug/L			09/05/24 18:57	2
1,2-Dichlorobenzene	ND		2.0		ug/L			09/05/24 18:57	2
1,2-Dichloroethane	ND		2.0		ug/L			09/05/24 18:57	2
1,2-Dichloropropane	ND		2.0		ug/L			09/05/24 18:57	2
1,3-Dichlorobenzene	ND		2.0		ug/L			09/05/24 18:57	2
1,4-Dichlorobenzene	ND		2.0		ug/L			09/05/24 18:57	2
2-Butanone (MEK)	ND	*+	20		ug/L			09/05/24 18:57	2
2-Hexanone	ND		10		ug/L			09/05/24 18:57	2
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/05/24 18:57	2
Acetone	ND		20		ug/L			09/05/24 18:57	2
Acetonitrile	ND	*+	30		ug/L			09/05/24 18:57	2
Benzene	ND		2.0		ug/L			09/05/24 18:57	2
Bromochloromethane	ND		2.0		ug/L			09/05/24 18:57	2
Bromodichloromethane	ND		2.0		ug/L			09/05/24 18:57	2
Bromoform	ND		2.0		ug/L			09/05/24 18:57	2
Bromomethane	ND	*-	2.0		ug/L			09/05/24 18:57	2
Carbon disulfide	ND		2.0		ug/L			09/05/24 18:57	2
Carbon tetrachloride	ND		2.0		ug/L			09/05/24 18:57	2
Chlorobenzene	ND		2.0		ug/L			09/05/24 18:57	2
Chloroethane	ND		2.0		ug/L			09/05/24 18:57	2
Chloroform	ND		2.0		ug/L			09/05/24 18:57	2
Chloromethane	ND		2.0		ug/L			09/05/24 18:57	2
cis-1,2-Dichloroethene	ND		2.0		ug/L			09/05/24 18:57	2
cis-1,3-Dichloropropene	ND		2.0		ug/L			09/05/24 18:57	2
Cyclohexane	ND		2.0		ug/L			09/05/24 18:57	2
Dibromochloromethane	ND		2.0		ug/L			09/05/24 18:57	2
Dibromomethane	ND		2.0		ug/L			09/05/24 18:57	2
Dichlorodifluoromethane	ND		2.0		ug/L			09/05/24 18:57	2
Ethylbenzene	ND		2.0		ug/L			09/05/24 18:57	2
Iodomethane	ND		2.0		ug/L			09/05/24 18:57	2
Isopropylbenzene	ND		2.0		ug/L			09/05/24 18:57	2
m,p-Xylene	ND		4.0		ug/L			09/05/24 18:57	2
Methyl acetate	ND		5.0		ug/L			09/05/24 18:57	2
Methylcyclohexane	ND		2.0		ug/L			09/05/24 18:57	2
Methylene Chloride	ND		2.0		ug/L			09/05/24 18:57	2
o-Xylene	ND		2.0		ug/L			09/05/24 18:57	2
Styrene	ND		2.0		ug/L			09/05/24 18:57	2
Tetrachloroethene	ND		2.0		ug/L			09/05/24 18:57	2
Toluene	ND		2.0		ug/L			09/05/24 18:57	2

Client Sample ID: LS-1

Date Collected: 09/04/24 11:07
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0		ug/L			09/05/24 18:57	2
trans-1,3-Dichloropropene	ND		2.0		ug/L			09/05/24 18:57	2
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			09/05/24 18:57	2
Trichloroethene	ND		2.0		ug/L			09/05/24 18:57	2
Trichlorofluoromethane	ND		2.0		ug/L			09/05/24 18:57	2
Vinyl acetate	ND	*+	10		ug/L			09/05/24 18:57	2
Vinyl chloride	ND		2.0		ug/L			09/05/24 18:57	2
Xylenes, Total	ND		4.0		ug/L			09/05/24 18:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 120*		*09/05/24 18:57*	*2*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*09/05/24 18:57*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/05/24 18:57*	*2*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*09/05/24 18:57*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:56	1
Barium	**0.056**		0.0020		mg/L		09/06/24 08:47	09/06/24 14:56	1
Boron	**0.37**		0.020		mg/L		09/06/24 08:47	09/06/24 14:56	1
Chromium	**0.035**		0.0040		mg/L		09/06/24 08:47	09/06/24 14:56	1
Lead	ND		0.010		mg/L		09/06/24 08:47	09/09/24 15:06	1
Manganese	**0.012**		0.0030		mg/L		09/06/24 08:47	09/06/24 14:56	1
Potassium	**77.5**		0.50		mg/L		09/06/24 08:47	09/06/24 14:56	1
Sodium	**63.1**		1.0		mg/L		09/06/24 08:47	09/06/24 14:56	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	**2.7**		1.0		mg/L			09/06/24 15:20	5
Chloride (EPA 300.0)	**120**		2.5		mg/L			09/06/24 15:20	5
Sulfate (EPA 300.0)	**132**		10.0		mg/L			09/06/24 15:20	5
Chemical Oxygen Demand (EPA 410.4)	**16.9**		10.0		mg/L			09/05/24 16:31	1
Total Dissolved Solids (SM 2540C)	**507**		10.0		mg/L			09/06/24 10:11	1
Cr (VI) (SM 3500 CR B)	**0.027**		0.010		mg/L			09/05/24 10:54	1
Total Organic Carbon (SM 5310C)	**7.0**		1.0		mg/L			09/10/24 06:23	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	**287**				millivolts			09/04/24 11:07	1
pH, Field	**8.28**				SU			09/04/24 11:07	1
Specific Conductance	**1107**				umhos/cm			09/04/24 11:07	1
Temperature, Field (C)	**64.9**				Degrees F			09/04/24 11:07	1
Turbidity, Field	**1.62**				NTU			09/04/24 11:07	1

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

Job ID: 480-223054-1

Client Sample ID: Trip Blank

Date Collected: 09/04/24 00:00
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 19:21	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 19:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 19:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 19:21	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 19:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 19:21	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 19:21	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 19:21	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 19:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 19:21	1
2-Butanone (MEK)	ND	*+	10		ug/L			09/05/24 19:21	1
2-Hexanone	ND		5.0		ug/L			09/05/24 19:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 19:21	1
Acetone	ND		10		ug/L			09/05/24 19:21	1
Acetonitrile	ND	*+	15		ug/L			09/05/24 19:21	1
Benzene	ND		1.0		ug/L			09/05/24 19:21	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 19:21	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 19:21	1
Bromoform	ND		1.0		ug/L			09/05/24 19:21	1
Bromomethane	ND	*-	1.0		ug/L			09/05/24 19:21	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 19:21	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 19:21	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 19:21	1
Chloroethane	ND		1.0		ug/L			09/05/24 19:21	1
Chloroform	ND		1.0		ug/L			09/05/24 19:21	1
Chloromethane	ND		1.0		ug/L			09/05/24 19:21	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 19:21	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 19:21	1
Cyclohexane	ND		1.0		ug/L			09/05/24 19:21	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 19:21	1
Dibromomethane	ND		1.0		ug/L			09/05/24 19:21	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 19:21	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 19:21	1
Iodomethane	ND		1.0		ug/L			09/05/24 19:21	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 19:21	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 19:21	1
Methyl acetate	ND		2.5		ug/L			09/05/24 19:21	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 19:21	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 19:21	1
o-Xylene	ND		1.0		ug/L			09/05/24 19:21	1
Styrene	ND		1.0		ug/L			09/05/24 19:21	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 19:21	1
Toluene	ND		1.0		ug/L			09/05/24 19:21	1

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

Job ID: 480-223054-1

Client Sample ID: Trip Blank
Date Collected: 09/04/24 00:00
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 19:21	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 19:21	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 19:21	1
Trichloroethene	ND		1.0		ug/L			09/05/24 19:21	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 19:21	1
Vinyl acetate	ND	*+	5.0		ug/L			09/05/24 19:21	1
Vinyl chloride	ND		1.0		ug/L			09/05/24 19:21	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*09/05/24 19:21*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/05/24 19:21*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/05/24 19:21*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*09/05/24 19:21*	*1*

Surrogate Summary

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

Job ID: 480-223054-1

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)
480-223054-1	MW-BR-1	114	86	96	111
480-223054-2	MW-3R	116	86	98	112
480-223054-3	MW-12	113	93	100	112
480-223054-4	MW-14N	111	82	94	109
480-223054-5	MW-5R	119	86	98	116
480-223054-6	LS-1	119	87	97	118
480-223054-7	Trip Blank	117	94	102	116
LCS 480-724051/6	Lab Control Sample	109	100	97	108
LCSD 480-724051/7	Lab Control Sample Dup	106	98	96	104
MB 480-724051/9	Method Blank	107	88	100	104

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 480-724051/9
Matrix: Water
Analysis Batch: 724051

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			09/05/24 14:01	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/24 14:01	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/05/24 14:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/24 14:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/24 14:01	1
1,2-Dibromoethane	ND		1.0		ug/L			09/05/24 14:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/24 14:01	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/24 14:01	1
1,2-Dichloropropane	ND		1.0		ug/L			09/05/24 14:01	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/05/24 14:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/24 14:01	1
2-Butanone (MEK)	ND		10		ug/L			09/05/24 14:01	1
2-Hexanone	ND		5.0		ug/L			09/05/24 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			09/05/24 14:01	1
Acetone	ND		10		ug/L			09/05/24 14:01	1
Acetonitrile	ND		15		ug/L			09/05/24 14:01	1
Benzene	ND		1.0		ug/L			09/05/24 14:01	1
Bromochloromethane	ND		1.0		ug/L			09/05/24 14:01	1
Bromodichloromethane	ND		1.0		ug/L			09/05/24 14:01	1
Bromoform	ND		1.0		ug/L			09/05/24 14:01	1
Bromomethane	ND		1.0		ug/L			09/05/24 14:01	1
Carbon disulfide	ND		1.0		ug/L			09/05/24 14:01	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/24 14:01	1
Chlorobenzene	ND		1.0		ug/L			09/05/24 14:01	1
Chloroethane	ND		1.0		ug/L			09/05/24 14:01	1
Chloroform	ND		1.0		ug/L			09/05/24 14:01	1
Chloromethane	ND		1.0		ug/L			09/05/24 14:01	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 14:01	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 14:01	1
Cyclohexane	ND		1.0		ug/L			09/05/24 14:01	1
Dibromochloromethane	ND		1.0		ug/L			09/05/24 14:01	1
Dibromomethane	ND		1.0		ug/L			09/05/24 14:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/05/24 14:01	1
Ethylbenzene	ND		1.0		ug/L			09/05/24 14:01	1
Iodomethane	ND		1.0		ug/L			09/05/24 14:01	1
Isopropylbenzene	ND		1.0		ug/L			09/05/24 14:01	1
m,p-Xylene	ND		2.0		ug/L			09/05/24 14:01	1
Methyl acetate	ND		2.5		ug/L			09/05/24 14:01	1
Methylcyclohexane	ND		1.0		ug/L			09/05/24 14:01	1
Methylene Chloride	ND		1.0		ug/L			09/05/24 14:01	1
o-Xylene	ND		1.0		ug/L			09/05/24 14:01	1
Styrene	ND		1.0		ug/L			09/05/24 14:01	1
Tetrachloroethene	ND		1.0		ug/L			09/05/24 14:01	1

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

Lab Sample ID: MB 480-724051/9
Matrix: Water
Analysis Batch: 724051

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			09/05/24 14:01	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/24 14:01	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			09/05/24 14:01	1
trans-1,4-Dichloro-2-butene	ND		1.0		ug/L			09/05/24 14:01	1
Trichloroethene	ND		1.0		ug/L			09/05/24 14:01	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/24 14:01	1
Vinyl acetate	ND		5.0		ug/L			09/05/24 14:01	1
Vinyl chloride	ND		1.0		ug/L			09/05/24 14:01	1
Xylenes, Total	ND		2.0		ug/L			09/05/24 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/05/24 14:01*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*09/05/24 14:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/05/24 14:01*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/05/24 14:01*	*1*

Lab Sample ID: LCS 480-724051/6
Matrix: Water
Analysis Batch: 724051

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	26.8		ug/L		107	80 - 120
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	28.1		ug/L		113	77 - 120
1,1-Dichloroethene	25.0	27.7		ug/L		111	66 - 127
1,2,3-Trichloropropane	25.0	23.4		ug/L		94	68 - 122
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	27.5		ug/L		110	76 - 120
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	242	*+	ug/L		194	57 - 140
2-Hexanone	125	132		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Acetonitrile	250	413	*+	ug/L		165	65 - 129
Benzene	25.0	27.1		ug/L		109	71 - 124
Bromochloromethane	25.0	29.2		ug/L		117	72 - 130
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	11.6	*-	ug/L		47	55 - 144
Carbon disulfide	25.0	33.2		ug/L		133	59 - 134

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

Lab Sample ID: LCS 480-724051/6
Matrix: Water
Analysis Batch: 724051

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	28.5		ug/L		114	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	25.2		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	27.5		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	30.1		ug/L		120	74 - 124
Cyclohexane	25.0	22.7		ug/L		91	59 - 135
Dibromochloromethane	25.0	27.6		ug/L		110	75 - 125
Dibromomethane	25.0	26.5		ug/L		106	76 - 127
Dichlorodifluoromethane	25.0	32.2		ug/L		129	59 - 135
Ethylbenzene	25.0	27.7		ug/L		111	77 - 123
Iodomethane	25.0	23.4		ug/L		94	78 - 123
Isopropylbenzene	25.0	23.5		ug/L		94	77 - 122
m,p-Xylene	25.0	24.4		ug/L		97	76 - 122
Methyl acetate	50.0	49.9		ug/L		100	74 - 133
Methylcyclohexane	25.0	26.6		ug/L		106	68 - 134
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
o-Xylene	25.0	24.0		ug/L		96	76 - 122
Styrene	25.0	23.4		ug/L		93	80 - 120
Tetrachloroethene	25.0	29.0		ug/L		116	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
trans-1,4-Dichloro-2-butene	25.0	24.0		ug/L		96	41 - 131
Trichloroethene	25.0	29.5		ug/L		118	74 - 123
Trichlorofluoromethane	25.0	23.6		ug/L		94	62 - 150
Vinyl acetate	50.0	75.7	*+	ug/L		151	50 - 144
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: LCSD 480-724051/7
Matrix: Water
Analysis Batch: 724051

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	26.5		ug/L		106	80 - 120	1	20
1,1,1-Trichloroethane	25.0	28.8		ug/L		115	73 - 126	7	15
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.9	*1	ug/L		120	61 - 148	22	20
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122	2	15
1,1-Dichloroethane	25.0	28.1		ug/L		112	77 - 120	0	20
1,1-Dichloroethene	25.0	27.8		ug/L		111	66 - 127	0	16

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

Lab Sample ID: LCSD 480-724051/7
Matrix: Water
Analysis Batch: 724051

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	23.4		ug/L		93	68 - 122	0	14
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		104	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	56 - 134	3	15
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120	2	15
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124	1	20
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120	0	20
1,2-Dichloropropane	25.0	27.8		ug/L		111	76 - 120	1	20
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120	0	20
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120	1	20
2-Butanone (MEK)	125	240	*+	ug/L		192	57 - 140	1	20
2-Hexanone	125	128		ug/L		102	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125	2	35
Acetone	125	119	*1	ug/L		95	56 - 142	17	15
Acetonitrile	250	287	*1	ug/L		115	65 - 129	36	20
Benzene	25.0	27.1		ug/L		109	71 - 124	0	13
Bromochloromethane	25.0	28.4		ug/L		114	72 - 130	3	15
Bromodichloromethane	25.0	27.6		ug/L		110	80 - 122	2	15
Bromoform	25.0	23.3		ug/L		93	61 - 132	0	15
Bromomethane	25.0	21.5	*1	ug/L		86	55 - 144	59	15
Carbon disulfide	25.0	27.5	*1	ug/L		110	59 - 134	19	15
Carbon tetrachloride	25.0	30.7		ug/L		123	72 - 134	7	15
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120	0	25
Chloroethane	25.0	21.7		ug/L		87	69 - 136	2	15
Chloroform	25.0	25.3		ug/L		101	73 - 127	0	20
Chloromethane	25.0	23.0		ug/L		92	68 - 124	9	15
cis-1,2-Dichloroethene	25.0	28.2		ug/L		113	74 - 124	3	15
cis-1,3-Dichloropropene	25.0	30.2		ug/L		121	74 - 124	1	15
Cyclohexane	25.0	26.4		ug/L		106	59 - 135	15	20
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125	2	15
Dibromomethane	25.0	26.2		ug/L		105	76 - 127	1	15
Dichlorodifluoromethane	25.0	33.0		ug/L		132	59 - 135	3	20
Ethylbenzene	25.0	27.5		ug/L		110	77 - 123	1	15
Iodomethane	25.0	29.7	*1	ug/L		119	78 - 123	23	20
Isopropylbenzene	25.0	23.5		ug/L		94	77 - 122	0	20
m,p-Xylene	25.0	24.6		ug/L		98	76 - 122	1	16
Methyl acetate	50.0	45.0		ug/L		90	74 - 133	10	20
Methylcyclohexane	25.0	27.4		ug/L		110	68 - 134	3	20
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124	2	15
o-Xylene	25.0	24.0		ug/L		96	76 - 122	0	16
Styrene	25.0	23.3		ug/L		93	80 - 120	0	20
Tetrachloroethene	25.0	28.9		ug/L		116	74 - 122	0	20
Toluene	25.0	24.6		ug/L		98	80 - 122	1	15
trans-1,2-Dichloroethene	25.0	27.9		ug/L		112	73 - 127	2	20
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	80 - 120	0	15
trans-1,4-Dichloro-2-butene	25.0	23.4		ug/L		94	41 - 131	2	20
Trichloroethene	25.0	29.8		ug/L		119	74 - 123	1	16
Trichlorofluoromethane	25.0	23.9		ug/L		96	62 - 150	1	20
Vinyl acetate	50.0	74.9	*+	ug/L		150	50 - 144	1	23
Vinyl chloride	25.0	22.9		ug/L		92	65 - 133	3	15

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-724080/1-A
Matrix: Water
Analysis Batch: 724349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/06/24 08:47	09/06/24 14:29	1
Barium	ND		0.0020		mg/L		09/06/24 08:47	09/06/24 14:29	1
Boron	ND		0.020		mg/L		09/06/24 08:47	09/06/24 14:29	1
Chromium	ND		0.0040		mg/L		09/06/24 08:47	09/06/24 14:29	1
Lead	ND	^5+	0.010		mg/L		09/06/24 08:47	09/06/24 14:29	1
Manganese	ND		0.0030		mg/L		09/06/24 08:47	09/06/24 14:29	1
Potassium	ND		0.50		mg/L		09/06/24 08:47	09/06/24 14:29	1
Sodium	ND		1.0		mg/L		09/06/24 08:47	09/06/24 14:29	1
Selenium	ND		0.025		mg/L		09/06/24 08:47	09/06/24 14:29	1

Lab Sample ID: LCS 480-724080/2-A
Matrix: Water
Analysis Batch: 724349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.977		mg/L		98	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Boron	0.500	0.499		mg/L		100	80 - 120
Chromium	0.500	0.510		mg/L		102	80 - 120
Lead	0.500	0.491	^5+	mg/L		98	80 - 120
Manganese	0.500	0.508		mg/L		102	80 - 120
Potassium	25.0	25.46		mg/L		102	80 - 120
Sodium	25.0	25.73		mg/L		103	80 - 120
Selenium	1.00	0.973		mg/L		97	80 - 120

Lab Sample ID: 480-223054-1 MS
Matrix: Water
Analysis Batch: 724349

Client Sample ID: MW-BR-1
Prep Type: Total/NA
Prep Batch: 724080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.00	0.990		mg/L		99	75 - 125
Barium	0.10		1.00	1.14		mg/L		104	75 - 125
Boron	0.10		0.500	0.617		mg/L		103	75 - 125
Chromium	ND		0.500	0.500		mg/L		100	75 - 125
Manganese	0.16		0.500	0.670		mg/L		101	75 - 125
Potassium	4.8		25.0	31.10		mg/L		105	75 - 125
Sodium	97.0		25.0	126.1		mg/L		116	75 - 125
Selenium	ND		1.00	0.986		mg/L		99	75 - 125

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

Lab Sample ID: 480-223054-1 MS
Matrix: Water
Analysis Batch: 724466

Client Sample ID: MW-BR-1
Prep Type: Total/NA
Prep Batch: 724080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		0.500	0.514		mg/L		103	75 - 125

Lab Sample ID: 480-223054-1 MSD
Matrix: Water
Analysis Batch: 724349

Client Sample ID: MW-BR-1
Prep Type: Total/NA
Prep Batch: 724080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.00	0.983		mg/L		98	75 - 125	1	20
Barium	0.10		1.00	1.13		mg/L		103	75 - 125	1	20
Boron	0.10		0.500	0.617		mg/L		103	75 - 125	0	20
Chromium	ND		0.500	0.499		mg/L		100	75 - 125	0	20
Manganese	0.16		0.500	0.664		mg/L		100	75 - 125	1	20
Potassium	4.8		25.0	30.91		mg/L		104	75 - 125	1	20
Sodium	97.0		25.0	123.9		mg/L		108	75 - 125	2	20
Selenium	ND		1.00	0.977		mg/L		98	75 - 125	1	20

Lab Sample ID: 480-223054-1 MSD
Matrix: Water
Analysis Batch: 724466

Client Sample ID: MW-BR-1
Prep Type: Total/NA
Prep Batch: 724080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		0.500	0.509		mg/L		102	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-724152/1-A
Matrix: Water
Analysis Batch: 724227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/06/24 08:05	09/06/24 12:48	1

Lab Sample ID: LCS 480-724152/2-A
Matrix: Water
Analysis Batch: 724227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00748		mg/L		112	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-724073/4
Matrix: Water
Analysis Batch: 724073

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			09/06/24 11:26	1
Chloride	ND		0.50		mg/L			09/06/24 11:26	1
Sulfate	ND		2.0		mg/L			09/06/24 11:26	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-724073/5
Matrix: Water
Analysis Batch: 724073

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			5.01	5.35		mg/L		107	90 - 110		
Chloride			50.1	50.79		mg/L		101	90 - 110		
Sulfate			50.1	51.15		mg/L		102	90 - 110		

Lab Sample ID: 480-223054-4 MS
Matrix: Water
Analysis Batch: 724073

Client Sample ID: MW-14N
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	1.1		25.0	26.07		mg/L		100	80 - 120		
Chloride	125		251	354.1		mg/L		91	81 - 120		
Sulfate	220		250	445.6		mg/L		90	80 - 120		

Lab Sample ID: 480-223054-4 MSD
Matrix: Water
Analysis Batch: 724073

Client Sample ID: MW-14N
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	1.1		25.0	25.74		mg/L		99	80 - 120	1	15
Chloride	125		251	351.1		mg/L		90	81 - 120	1	15
Sulfate	220		250	442.4		mg/L		89	80 - 120	1	15

Method: 410.4 - COD

Lab Sample ID: MB 480-724200/4
Matrix: Water
Analysis Batch: 724200

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			09/05/24 15:49	1

Lab Sample ID: LCS 480-724200/5
Matrix: Water
Analysis Batch: 724200

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	24.47		mg/L		98	90 - 110		

Lab Sample ID: 480-223054-4 MS
Matrix: Water
Analysis Batch: 724200

Client Sample ID: MW-14N
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	ND		50.0	56.69		mg/L		99	90 - 110		

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

Lab Sample ID: MB 480-724210/1
Matrix: Water
Analysis Batch: 724210

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			09/06/24 10:11	1

Lab Sample ID: LCS 480-724210/2
Matrix: Water
Analysis Batch: 724210

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	500	504.0		mg/L		101	85 - 115

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 480-724317/3
Matrix: Water
Analysis Batch: 724317

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			09/05/24 10:46	1

Lab Sample ID: LCS 480-724317/4
Matrix: Water
Analysis Batch: 724317

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	0.0498		mg/L		100	85 - 115

Lab Sample ID: 480-223054-1 MS
Matrix: Water
Analysis Batch: 724317

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND	F1	0.0500	0.0476	F1	mg/L		83	85 - 115

Lab Sample ID: 480-223054-1 MSD
Matrix: Water
Analysis Batch: 724317

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND	F1	0.0500	0.0482	F1	mg/L		84	85 - 115	1	15

Method: SM 5310C - TOC

Lab Sample ID: MB 480-724685/28
Matrix: Water
Analysis Batch: 724685

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			09/10/24 02:13	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: MB 480-724685/4
Matrix: Water
Analysis Batch: 724685

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			09/09/24 15:09	1

Lab Sample ID: LCS 480-724685/29
Matrix: Water
Analysis Batch: 724685

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	59.77		mg/L		100	90 - 110		

Lab Sample ID: LCS 480-724685/5
Matrix: Water
Analysis Batch: 724685

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	60.15		mg/L		100	90 - 110		

Lab Sample ID: 480-223054-1 MS
Matrix: Water
Analysis Batch: 724685

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	2.4		23.3	27.57		mg/L		108	54 - 131		

Lab Sample ID: 480-223054-2 DU
Matrix: Water
Analysis Batch: 724685

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	2.5			2.44		mg/L				4	20

QC Association Summary

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

Job ID: 480-223054-1

GC/MS VOA

Analysis Batch: 724051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	8260C	
480-223054-2	MW-3R	Total/NA	Water	8260C	
480-223054-3	MW-12	Total/NA	Water	8260C	
480-223054-4	MW-14N	Total/NA	Water	8260C	
480-223054-5	MW-5R	Total/NA	Water	8260C	
480-223054-6	LS-1	Total/NA	Water	8260C	
480-223054-7	Trip Blank	Total/NA	Water	8260C	
MB 480-724051/9	Method Blank	Total/NA	Water	8260C	
LCS 480-724051/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-724051/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Metals

Prep Batch: 724080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	3005A	
480-223054-2	MW-3R	Total/NA	Water	3005A	
480-223054-3	MW-12	Total/NA	Water	3005A	
480-223054-4	MW-14N	Total/NA	Water	3005A	
480-223054-5	MW-5R	Total/NA	Water	3005A	
480-223054-6	LS-1	Total/NA	Water	3005A	
MB 480-724080/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-724080/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-223054-1 MS	MW-BR-1	Total/NA	Water	3005A	
480-223054-1 MSD	MW-BR-1	Total/NA	Water	3005A	

Prep Batch: 724152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	7470A	
480-223054-2	MW-3R	Total/NA	Water	7470A	
480-223054-3	MW-12	Total/NA	Water	7470A	
480-223054-4	MW-14N	Total/NA	Water	7470A	
480-223054-5	MW-5R	Total/NA	Water	7470A	
480-223054-6	LS-1	Total/NA	Water	7470A	
MB 480-724152/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-724152/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 724227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	7470A	724152
480-223054-2	MW-3R	Total/NA	Water	7470A	724152
480-223054-3	MW-12	Total/NA	Water	7470A	724152
480-223054-4	MW-14N	Total/NA	Water	7470A	724152
480-223054-5	MW-5R	Total/NA	Water	7470A	724152
480-223054-6	LS-1	Total/NA	Water	7470A	724152
MB 480-724152/1-A	Method Blank	Total/NA	Water	7470A	724152
LCS 480-724152/2-A	Lab Control Sample	Total/NA	Water	7470A	724152

Analysis Batch: 724349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	6010C	724080

Metals (Continued)

Analysis Batch: 724349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-2	MW-3R	Total/NA	Water	6010C	724080
480-223054-3	MW-12	Total/NA	Water	6010C	724080
480-223054-4	MW-14N	Total/NA	Water	6010C	724080
480-223054-5	MW-5R	Total/NA	Water	6010C	724080
480-223054-6	LS-1	Total/NA	Water	6010C	724080
MB 480-724080/1-A	Method Blank	Total/NA	Water	6010C	724080
LCS 480-724080/2-A	Lab Control Sample	Total/NA	Water	6010C	724080
480-223054-1 MS	MW-BR-1	Total/NA	Water	6010C	724080
480-223054-1 MSD	MW-BR-1	Total/NA	Water	6010C	724080

Analysis Batch: 724466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	6010C	724080
480-223054-2	MW-3R	Total/NA	Water	6010C	724080
480-223054-3	MW-12	Total/NA	Water	6010C	724080
480-223054-4	MW-14N	Total/NA	Water	6010C	724080
480-223054-5	MW-5R	Total/NA	Water	6010C	724080
480-223054-6	LS-1	Total/NA	Water	6010C	724080
480-223054-1 MS	MW-BR-1	Total/NA	Water	6010C	724080
480-223054-1 MSD	MW-BR-1	Total/NA	Water	6010C	724080

General Chemistry

Analysis Batch: 724073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	300.0	
480-223054-2	MW-3R	Total/NA	Water	300.0	
480-223054-3	MW-12	Total/NA	Water	300.0	
480-223054-4	MW-14N	Total/NA	Water	300.0	
480-223054-5	MW-5R	Total/NA	Water	300.0	
480-223054-6	LS-1	Total/NA	Water	300.0	
MB 480-724073/4	Method Blank	Total/NA	Water	300.0	
LCS 480-724073/5	Lab Control Sample	Total/NA	Water	300.0	
480-223054-4 MS	MW-14N	Total/NA	Water	300.0	
480-223054-4 MSD	MW-14N	Total/NA	Water	300.0	

Analysis Batch: 724200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	410.4	
480-223054-2	MW-3R	Total/NA	Water	410.4	
480-223054-3	MW-12	Total/NA	Water	410.4	
480-223054-4	MW-14N	Total/NA	Water	410.4	
480-223054-5	MW-5R	Total/NA	Water	410.4	
480-223054-6	LS-1	Total/NA	Water	410.4	
MB 480-724200/4	Method Blank	Total/NA	Water	410.4	
LCS 480-724200/5	Lab Control Sample	Total/NA	Water	410.4	
480-223054-4 MS	MW-14N	Total/NA	Water	410.4	

Analysis Batch: 724210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 724210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-2	MW-3R	Total/NA	Water	SM 2540C	
480-223054-3	MW-12	Total/NA	Water	SM 2540C	
480-223054-4	MW-14N	Total/NA	Water	SM 2540C	
480-223054-5	MW-5R	Total/NA	Water	SM 2540C	
480-223054-6	LS-1	Total/NA	Water	SM 2540C	
MB 480-724210/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-724210/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 724317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	SM 3500 CR B	
480-223054-2	MW-3R	Total/NA	Water	SM 3500 CR B	
480-223054-3	MW-12	Total/NA	Water	SM 3500 CR B	
480-223054-4	MW-14N	Total/NA	Water	SM 3500 CR B	
480-223054-5	MW-5R	Total/NA	Water	SM 3500 CR B	
480-223054-6	LS-1	Total/NA	Water	SM 3500 CR B	
MB 480-724317/3	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 480-724317/4	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
480-223054-1 MS	MW-BR-1	Total/NA	Water	SM 3500 CR B	
480-223054-1 MSD	MW-BR-1	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 724685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	SM 5310C	
480-223054-2	MW-3R	Total/NA	Water	SM 5310C	
480-223054-3	MW-12	Total/NA	Water	SM 5310C	
480-223054-4	MW-14N	Total/NA	Water	SM 5310C	
480-223054-5	MW-5R	Total/NA	Water	SM 5310C	
480-223054-6	LS-1	Total/NA	Water	SM 5310C	
MB 480-724685/28	Method Blank	Total/NA	Water	SM 5310C	
MB 480-724685/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-724685/29	Lab Control Sample	Total/NA	Water	SM 5310C	
LCS 480-724685/5	Lab Control Sample	Total/NA	Water	SM 5310C	
480-223054-1 MS	MW-BR-1	Total/NA	Water	SM 5310C	
480-223054-2 DU	MW-3R	Total/NA	Water	SM 5310C	

Field Service / Mobile Lab

Analysis Batch: 724487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223054-1	MW-BR-1	Total/NA	Water	Field Sampling	
480-223054-2	MW-3R	Total/NA	Water	Field Sampling	
480-223054-3	MW-12	Total/NA	Water	Field Sampling	
480-223054-4	MW-14N	Total/NA	Water	Field Sampling	
480-223054-5	MW-5R	Total/NA	Water	Field Sampling	
480-223054-6	LS-1	Total/NA	Water	Field Sampling	

Lab Chronicle

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

Job ID: 480-223054-1

Client Sample ID: MW-BR-1

Date Collected: 09/04/24 13:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 16:54
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:33
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 14:44
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:05
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 12:38
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:08
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:47
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 03:09
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 13:22

Client Sample ID: MW-3R

Date Collected: 09/04/24 10:45
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 17:18
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:48
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 14:59
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:07
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 12:56
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:11
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:51
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 04:04
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 10:45

Client Sample ID: MW-12

Date Collected: 09/04/24 11:30
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 17:43
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:50
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 15:01

Lab Chronicle

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

Job ID: 480-223054-1

Client Sample ID: MW-12
Date Collected: 09/04/24 11:30
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:08
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 13:14
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:13
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:50
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 05:00
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 11:30

Client Sample ID: MW-14N
Date Collected: 09/04/24 12:22
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 18:07
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:52
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 15:03
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:09
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 13:32
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:23
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:52
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 05:27
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 12:22

Client Sample ID: MW-5R
Date Collected: 09/04/24 13:21
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 18:32
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:54
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 15:05
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:10
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 15:02
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:28
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11

Lab Chronicle

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

Job ID: 480-223054-1

Client Sample ID: MW-5R
Date Collected: 09/04/24 13:21
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:53
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 05:55
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 13:21

Client Sample ID: LS-1
Date Collected: 09/04/24 11:07
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	724051	ERS	EET BUF	09/05/24 18:57
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724349	BMB	EET BUF	09/06/24 14:56
Total/NA	Prep	3005A			724080	EMO	EET BUF	09/06/24 08:47
Total/NA	Analysis	6010C		1	724466	BMB	EET BUF	09/09/24 15:06
Total/NA	Prep	7470A			724152	ESB	EET BUF	09/06/24 08:05
Total/NA	Analysis	7470A		1	724227	ESB	EET BUF	09/06/24 13:12
Total/NA	Analysis	300.0		5	724073	AF	EET BUF	09/06/24 15:20
Total/NA	Analysis	410.4		1	724200	RMJ	EET BUF	09/05/24 16:31
Total/NA	Analysis	SM 2540C		1	724210	AB	EET BUF	09/06/24 10:11
Total/NA	Analysis	SM 3500 CR B		1	724317	KB	EET BUF	09/05/24 10:54
Total/NA	Analysis	SM 5310C		1	724685	AF	EET BUF	09/10/24 06:23
Total/NA	Analysis	Field Sampling		1	724487	S1P	EET BUF	09/04/24 11:07

Client Sample ID: Trip Blank
Date Collected: 09/04/24 00:00
Date Received: 09/04/24 14:27

Lab Sample ID: 480-223054-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	724051	ERS	EET BUF	09/05/24 19:21

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

Accreditation/Certification Summary

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

Job ID: 480-223054-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

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

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

Method Summary

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

Job ID: 480-223054-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 480-223054-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223054-1	MW-BR-1	Water	09/04/24 13:22	09/04/24 14:27
480-223054-2	MW-3R	Water	09/04/24 10:45	09/04/24 14:27
480-223054-3	MW-12	Water	09/04/24 11:30	09/04/24 14:27
480-223054-4	MW-14N	Water	09/04/24 12:22	09/04/24 14:27
480-223054-5	MW-5R	Water	09/04/24 13:21	09/04/24 14:27
480-223054-6	LS-1	Water	09/04/24 11:07	09/04/24 14:27
480-223054-7	Trip Blank	Water	09/04/24 00:00	09/04/24 14:27

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

Chain of Custody Record

eurofins | Environment Testing

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

Sampler: Jon Key
Phone: 585-633-8863
PWSID:
Due Date Requested:
TAT Requested (days): STD
Compliance Project: Δ Yes Δ No
PO #: Purchase Order not required
WO #:
Project #: 48003429
SSOW#:

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

COC No: 480-199390-34887.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes:
N - None
S - H2SO4
D - HNO3
A - HCL

Other:

Request for EDD lab file for data upload to NYDEC System

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Br, Cl, SO4	410.4 - Chemical Oxygen Demand	6010C, 7470A	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)	5310C - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/QC Requirements:
			Preservation Code:				N	S	D	A	N	N	N	S	A		
MW-BR-1	9/4/24	1322	C	Water	N	N	X	X	X	X	X	X	X	X	X	10	
MW-3R		1045		Water	N	N										10	
MW-12		1130		Water	N	N										10	
MW-14N		1222		Water	N	N										10	
MW-5R		1326		Water	N	N										10	
LS-1		1107		Water	N	N										10	
~~SW-1~~				Water													
trip blank		—		Water	N	N	—			X	—	—			X	2	No Sample / Dry
				Water													

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	9/4/24 1426	BHL		9/4/24 1427	
Relinquished by:					
Relinquished by:					

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

Cooler Temperature(s) °C and Other Remarks: #1 3.4, 3.7

480-223054 Chain of Custody

Ver: 05/06/2024

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-BR1
CLIENT:	LAN Associates Inc	JOB #:	2341.001.022
Weather Conditions:	Sunny	Temperature:	70's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	12.45	Sample Date:	4/4/24
Measured Well Depth (fbTOR):	35.95	Sample Time:	13:22
Well Casing Diameter (inches):	2	Sampled By:	~~TJB/GJY~~ SMS
Calculated Volume in Well Casing (gal.):	3.8	Purge Method:	Peristaltic
Total Volume Purged (gal.):	11.5		
Depth to water when sampled (feet):	13.20		

X3 = 11.4

Stabilization Criteria:

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

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

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	~~Clear, Sulphur~~
2	11:45	13.15	—	8.28	57.7	491.3	1.71	-	-22	Clear, none
3	13:07	13.22	10.75	7.42	63.0	1277	2.42	—	31	Clear, none
4	13:12	13.20	11.00	7.53	59.0	1269	2.43	—	5	Clear, Sulphur
5	13:17	13.20	11.25	7.56	58.2	1271	2.40	—	12	clear, oil
6	13:22	13.20	11.5	7.50	57.5	1269	2.66	—	20	Clear, oil
7										
8										
9										
10										
11										
12										

Sample Information:

S1	13:22	13.20	11.5	7.50	57.5	1269	2.66	—	20	Clear, oil
S2										

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

Samples Deivered to: Eurofins Test America Date: Time:

COMMENTS:

Rev. 05/13 (MJK)

Barton & Loguidice

FIELD SAMPLING DATA SHEET

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	MW-3R
CLIENT:	LAN Associates Inc	JOB #:	2341.001.022
Weather Conditions:	Sunny	Temperature:	70's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	6.13	Sample Date:	9/4/24
Measured Well Depth (fbTOR):	11.94	Sample Time:	1045
Well Casing Diameter (inches):	2	Sampled By:	~~TJB/GJY~~ JAO x/SAL
Calculated Volume in Well Casing (gal.):	0.9	Purge Method:	Peristaltic
Total Volume Purged (gal.):	2.5		
Depth to water when sampled:	—		

x3 = 2.7

Stabilization Criteria:

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

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

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1015	6.9	—	7.49	59.3	1391	1.92	—	220	clear/none
2	1030	7.3	1.5	7.44	62.9	1281	0.79	—	243	clear/none
3	1035	7.3	1.75	7.58	61.6	1284	0.82	—	199	clear/none
4	1040	7.3	2.0	7.61	62.1	1289	0.71	—	204	clear/none
5	1045	7.3	2.25	7.68	61.9	1285	0.88	—	209	clear/none
6										
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1045	7.3	2.50	7.68	61.9	12.85	0.88	—	209	clear/none
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-5R
CLIENT:	LAN Associates Inc	JOB #:	2341.001.022
Weather Conditions:	Sunny	Temperature:	76[illegible]

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

WATER LEVEL DATA

Static Water Level (fbTOR):	7.95	Sample Date:	9/4/24
Measured Well Depth (fbTOR):	19.85	Sample Time:	1326
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	1.9	Purge Method:	Peristaltic
Total Volume Purged (gal.):	4.2		
Depth to water when sampled:	—		

x3 = 5.7

Stabilization Criteria:

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

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

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1238	8.2	—	8.41	58.8	906.2	1.21	—	253	clear/none
2	1305	16.8	3.0	8.43	59.0	986.3	1.75	—	262	clear/none
3	1310	16.8	3.25	8.36	60.4	976.0	1.32	—	249	clear/none
4	1315	16.8	3.5	8.34	60.0	968.3	0.98	—	221	clear/sl. sulfur
5	1320	16.8	3.75	8.31	60.2	963.4	0.90	—	220	clear/sl. sulfur
6	1325	16.9	4.0	8.29	60.1	980.1	0.85	—	214	clear/none
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1325	16.9	4.0	8.29	60.1	980.1	0.85	—	214	clear/none
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 #:	2341.001.022
Weather Conditions:	Sunny	Temperature:	70's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	10.71	Sample Date:	9/9/24
Measured Well Depth (fbTOR):	20.12	Sample Time:	11:30
Well Casing Diameter (inches):	2	Sampled By:	TJB/GJY
Calculated Volume in Well Casing (gal.):	1.5	Purge Method:	Peristaltic
Total Volume Purged (gal.):	1.75		
Depth to water when sampled:	14.7		

Stabilization Criteria:

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

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

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	11:03	11.0	[redacted]	7.43	60.3	1347	3.25	—	0	Clear, Sulphur
2	11:20	14.5	1.0	7.24	61.0	1352	4.89	—	-14	Clear, Sulphur
3	11:25	14.5	1.25	7.21	61.3	1347	4.55	—	-16	Clear, Sulphur
4	11:30	14.7	1.75	7.18	60.0	1339	3.42	—	-17	Clear, Sulphur
5										
6										
7										
8										
9										
10										
11										
12										

Sample Information:

S1	11:30	14.7	1.75	7.18	60.0	1339	3.42	—	-17	Clear, Sulphur
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
CLIENT: LAN Associates Inc
Weather Conditions: Sunny
SAMPLE LOCATION: MW-14N
JOB #: 2341.001.022
Temperature: 70's

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

WATER LEVEL DATA

Static Water Level (fbTOR):	10.05	Sample Date:	9/4/24
Measured Well Depth (fbTOR):	20.43	Sample Time:	1222
Well Casing Diameter (inches):	2	Sampled By:	~~TUBACK~~ JDK/SMV
Calculated Volume in Well Casing (gal.):	1.6	Purge Method:	Peristaltic
Total Volume Purged (gal.):	4.0		
Depth to water when sampled:	—		

x3 = 4.98

Stabilization Criteria:

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

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

	Time	SWL (ft.)	Acc. Volume (gal.)	pH (std.)	Temp. (F)	Sp. Cond. (uS)	Turbidity (NTU)	DO (mg/L)	Orp (mV)	Appearance and Odor
1	1141	10.2	—	7.25	56.7	1428	15.2	—	252	cloudy/none
2	1206	10.2	2.75	7.54	61.6	1422	1.09	—	254	clear/none
3	1211	10.2	3.0	7.79	59.9	1419	2.26	—	173	clear/none
4	1216	10.2	3.5	7.29	58.5	1424	1.09	—	180	clear/none
5	1221	10.2	4.0	7.29	58.9	1427	1.94	—	182	clear/none
6										
7										
8										
9										
10										
11										
12										

Sample Information:

S1	1221	10.2	4.0	7.29	58.9	1427	1.94	—	182	clear/none
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:**	SW-1
CLIENT:	LAN Associates Inc	**JOB #:**	2341.001.022
Weather Conditions:		Temperature:	

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

Sediment ☐ Leachate ☐

WATER LEVEL DATA

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

*depth from measuring point

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

PURGING METHOD

Equipment:

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

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

Actual Volume of Water Purged (gallons): ____

Did well purge dry? No ☐ Yes ☐

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

SAMPLING METHOD

Equipment:

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

Sampled by: TJB/GJY Time: ____ Date: ____

SAMPLING DATA

Sample Appearance

Color: ____ Sediment: ____

Odor: ____

Field Measured Parameters

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

Samples Collected (Number/Type):

Site specific parameters- 10 Bottles

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

COMMENTS:

DG- 1/8 Simple

Rev. 3/14 (MPS)

FIELD SAMPLING DATA SHEET

Barton & Loguidice

SITE:	CCMA - Witmer Rd	SAMPLE LOCATION:	LS-1
CLIENT:	LAN Associates Inc	JOB #:	2341.001.022
Weather Conditions:	Sunny	Temperature:	70'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/GJT~~ JDic/SMV Time: 1107 Date: 9/4/24

SAMPLING DATA

Sample Appearance
Color: clear Sediment: none
Odor: none

Field Measured Parameters

pH (Standard Units)	8.28	Sp. Conductivity (umhos/cm)	1107
Temperature (F)	64.9	Eh-Redox Potential (mV)	287
Turbidity (NTU)	1.62	Dissolved Oxygen (mg/L)	—

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

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

COMMENTS:
- Replaced bailer per clients request

Rev. 3/14 (MPS)

Calibration Record

Project No: 2341.001.024 Date: 9/4/24

Calibrated By: JDK Time: 0955

pH Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	3.32 → 4.00	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	7.15 → 7.00	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	9.82 → 10.00	(+/- 1.0 pH, ph 9.0 - 11.0)

Sp.Conductivity
Instrument Model:

Standard Solution	Calibration Reading	Acceptable Range
7000 uS	7020 → 7000	(+/- 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	0.91 → 1.00	(0.5-1.5 NTU)
10.0	11.71 → 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

Calibration Record

Project No: _____ Date: 9/4/24

Calibrated By: SMW Time: 9:52

pH Instrument Model: _____

Standard Solution	Calibration Reading	Acceptable Range
pH 4:	4.05 → 4.00	(+/- 1.0 pH, pH 3.0 - 5.0)
pH 7:	7.11 → 7.00	(+/- 1.5 pH, pH 5.5 - 8.5)
pH 10:	9.85 → 10.00	(+/- 1.0 pH, ph 9.0 - 11.0)

Sp.Conductivity
Instrument Model: _____

Standard Solution	Calibration Reading	Acceptable Range
7000 uS	6989 → 7.000	(+/- 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	1.5 → 1.5	(0.5-1.5 NTU)
10.0	10.12 → 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 Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: Jon Ky	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-199390-34887.1
Client Contact: Gary Joiner	Phone: 585-633-5863	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: CC Metals and Alloys LLC	PWSID:	Analysis Requested		Job #:
Address: PO BOX 217	Due Date Requested:			Preservation Codes: N - None; S - H2SO4; D - HNO3; A - HCL
City: Calvert City	TAT Requested (days): SDD			
State, Zip: KY, 42029	Compliance Project: Δ Yes Δ No			
Phone: 904-343-3087(Tel) 904-824-0726(Fax)	PO #: Purchase Order not required			
Email: gjoiner@ccmetals.com	WO #:			
Project Name: Witmer Road G/W/ Event Desc: Witmer Road G/W	Project #: 48003429			
Site:	SSOW#:			Other:

Request for EDD lab file for data upload to nyDEC System

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D - Br, Cl, SO4	410.4 - Chemical Oxygen Demand	6010C, 7470A	8260C - TCL list OLM04.2	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) pH,Cond,Temp,Turb	3500_CR_B - Cr (VI)	5310C - (MOD) Local Method	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	S	D	A	N	N	N	S	A		
MW-BR-1	9/4/24	1322	C	Water	N	N	X	X	X	X	X	X	X	X	X	10	
MW-3R		1045		Water	N	N										10	
MW-12		1130		Water	N	N										10	
MW-14N		1222		Water	N	N										10	
MW-5R		1321		Water	N	N										10	
LS-1		1107		Water	N	N										10	
~~SW-1~~				Water													no sample/Dry
trip blank		—		Water	N	N	—	—	—	X	—	—	—	—	X	2	
				Water													

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/4/24 1426	BHL	[signature]	9/4/24 1427	
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: 05/06/2024

Login Sample Receipt Checklist

Client: LAN Associates Inc

Job Number: 480-223054-1

Login Number: 223054
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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