2021-2022 PERIODIC REVIEW REPORT

1050-1088 NIAGARA STREET SITE
SITE NO. C915277

BUFFALO, NEW YORK

October 2022 0136-020-002

Prepared for:

9271 Group, LLC

Prepared By:

BENCHMARK TURNKEY

PERIODIC REVIEW REPORT
1050-1088 Niagara Street Site C915277
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1.0 INTRODUCTION

Benchmark Civil/Environmental Engineering and Geology, PLLC (Benchmark), in association with TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR) on behalf of 9271 Group, LLC to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C915277, located in the City of Buffalo, Erie County, New York (Site; see Figures 1 and 2).

This PRR has been prepared for the 1050-1088 Niagara Street Site in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form and Change of Use Notification Form have been completed for the Site (see Appendix A).

This PRR and the associated inspection forms have been completed for the July 31, 2021 to July 31, 2022 reporting period.

1.1 Site Background

The Site consists of two (2) adjoining parcels, identified as 1050 and 1088 Niagara Street, totaling 2.7± acres, located in the City of Buffalo, Erie County, New York. The Site is currently improved with an existing building and parking lot located on the 1050 Niagara Street parcel; and a building with a commercial drive thru and parking lot on the 1088 Niagara Street parcel and associated landscaped areas (see Figures 1 and 2).

The Site has a long history of being used for commercial and industrial operations since at least 1889. The International Brewing Company and American Gelatine Corp. operated on-Site in the early 1900s. The northern portion of the Site (1088 Niagara Street parcel) included a filling station from at least the 1920s through at least 1960. Gulf Oil Corporation and/or Hygrade Petroleum Co. were identified as on-Site operators from at least the 1920s through at least 1960. The Niagara Lithograph Company, a commercial printing company, was located on the 1050 Niagara Street parcel of the Site from at least 1930 through at least 1990; and Miken Companies, also a commercial printing company, was located on-Site until at least 2000.

1.2 Remedial History

After acceptance into the NYS BCP in October 2013, a Remedial Investigation/Interim Remedial Measures/Alternatives Analysis (RI/IRM/AA) Work Plan and supplemental work plans were prepared and submitted to the NYSDEC for review and approval. Interim Remedial Measures (IRM) activities were completed to address the removal of multiple abandoned USTs, appurtenant piping, and hydraulic lifts; excavation of petroleum, PCB, PAH, and metals impacted soils; groundwater management; and excavation backfilling. A Remedial Action Work Plan (RAWP) was prepared and approved by the NYSDEC detailing the soil vapor extraction (SVE) system and site-wide cover system. The cleanup was successful in achieving the remedial objectives for the Site. The Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2017. The NYSDEC issued a COC for the Site on December 29, 2017.

1.3 Recommendations

Based on the post-remedial monitoring and analytical results for the Site, the following recommendations are provided for the Site.

- Modification of groundwater sampling parameter list to NYSDEC Commissioners Policy-51 (CP-51) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs) starting in 2023.
- Removal of TMW-3 from future groundwater sampling events and decommissioning of the well.

1.4 Compliance

The Site is in general compliance with the SMP. The completed IC/EC form is included in Appendix A and a Site photo log is included in Appendix B.

2.0 SITE OVERVIEW

Previous investigations identified environmental contamination on-Site that required remediation. 9271 Group, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC to remediate the Site. BCP investigations and remediation were completed between 2014 and 2017.

The remedial activities included:

- Excavation, cleaning, and removal of four (4) underground storage tanks (USTs) and appurtenant piping;
- Excavation and off-site disposal of non-hazardous soil/fill exceeding the Part 375 Restricted Residential Use Soil Cleanup Objectives (SCOs);
- Delineation, excavation and off-site disposal of hazardous PCB impacted soil/fill;
- Installation of a Soil Vapor Extraction (SVE) system to mitigate nuisance petroleum VOCs within the subsurface soil/fill and petroleum related VOCs and semi-volatile organic compounds (SVOCs) in groundwater.
- Construction and maintenance of a cover system consisting of the existing building, new building, asphalt and concrete pavement, sidewalks; and minimum 24-inches soil cover of approved clean material placed on top of demarcation layer, to prevent human exposure to remaining soil/fill exceeding RRSCOs.
- Placement of an environmental easement to (1) implement, maintain, and monitor Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to Restricted Residential, Commercial, or Industrial uses only.

Remedial activities were completed in September 2017. The FER and SMP for the Site were approved by the Department in December 2017. The Certificate of Completion (COC) was issued for the Site on December 29, 2017.

3.0 REMEDY PERFORMANCE

Post-remedial inspections and groundwater monitoring have been completed at the Site for the current reporting period. Groundwater sample analytical results are summarized on Table 1, with representative groundwater isopotential shown on Figures 4A through 4B for the associated sampling events. Groundwater monitoring and sampling logs are provided in Appendix C. Laboratory analytical data reports are provided electronically in Appendix D.

The completed IC/EC Certification form and site photographs are included in Appendix A and Appendix B, respectively.

Based on the Department's 2021 PRR approval correspondence, and 2022 site meeting and inspection, 9271 Group, LLC will address the on-Site invasive species (knotweed), will complete restoration of a limited area of soil erosion along the western cover embankment related to a varmint burrow (groundhog), and determine final cover system completion in the area of the former SVE trailer. It is expected this area will be covered with asphalt and/or concrete. It should be noted that the area is compliant with the SMP requirements, however, is not the final cover type planned for the development.

Beyond those issues identified above, the cover system is maintained in general accordance with the SMP.

4.0 SITE MANAGEMENT PLAN

The SMP was prepared for the Site and approved by the Department in December 2017. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, Operation, Monitoring and Maintenance (OM&M) Plan, an Excavation Work Plan (EWP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

4.1 Operation, Monitoring and Maintenance Plan

The OM&M Plan consists of two major components, including the Long-Term Groundwater Monitoring (LTGWM) Plan; and the Annual Inspection & Certification Program. The Soil Vapor Extraction (SVE) system was approved for shutdown and removal by the Department in December 2020 and is no longer a component of the SMP.

4.1.1 Long-Term Groundwater Monitoring Plan

Long-term groundwater monitoring (LTGWM) has been completed since issuance of COC in 2017. A total of nine (9) rounds of post-IRM groundwater samples have been collected to date. Two (2) sampling events were completed during this reporting period, on January 8, 2022, and June 12, 2022. It should be noted that groundwater wells were inspected in November 2021 to determine if previous in-situ groundwater amendment completed in June 2021 was still evident. MW-3 exhibited a yellow tint with high turbidity and therefore the sampling was postponed until January 2022. Odors were noted at MW-3 during pre-sample purge during both sampling events this period. No odors were noted at any of the other well locations.

MW-4 and MW-5R have been dry since completion of the cover system. Wells are checked during sampling events and will be sampled if recoverable volume is present during future sampling events.

Groundwater sampling logs are provided in Appendix C. Groundwater analytical results are summarized on Table 1 and laboratory analytical data reports are provided in Appendix D. The Data Usability Summary Report (DUSR) for this reporting period is provided in Appendix E.

Based on the post-remedial groundwater analytical results, it is recommended to modify the ongoing groundwater sampling constituent to NYSDEC CP-51 VOCs plus TICs and remove and decommission TMW-3 from the well list.

4.1.2 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will primarily consist of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

Site inspections were completed throughout the reporting period. The property is being used in accordance with the Restricted Residential Use [mixed-use commercial (office and retail) and residential (apartments)], with surface parking, paved walkways, and landscaped areas. Ongoing maintenance of the hardscape cover, mainly related to the drive-thru lane was noted. No observable indication of intrusive activities was noted during the Site inspection. No observable use of groundwater was noted during the reporting period.

Invasive knotweed has been identified along the Albany Street and western embankment of the Site. 9271 Group is in the process of hiring a licensed herbicide applicator/landscaper to address the onsite knotweed. Knotweed and other invasive species are abundant along the I-190 expressway directly west of the site, as invasive management will be difficult and likely an ongoing maintenance issue that is not the results of the Volunteers efforts. Additionally, a varmint (groundhog) hole was identified on the western embankment, and 9271 Group will address.

Vegetation identified along the southern side of the 1050 Niagara Street building will be removed to protect the hardscape cover (asphalt) along the site boundary (see Photolog No. 11).

It should also be noted that municipal utility excavation work offsite along the Albany Street (paper street) northern boundary has been ongoing during the 2022 construction season, as was still ongoing during the Site Inspections.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the most recent Site inspection is included in Appendix B.

4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in the approved-SMP for the Site. The EWP provides guidelines for the management of soil and fill material during any future intrusive actives.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the monitoring period.

Notification will be provided to the Department when corrective actions for the cover system are scheduled.

4.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirement of the SMP for the Site.

4.3.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited without water quality treatment as determined by the NYSDOH;
- Land-Use Restriction: The controlled property may be used for restricted residential, commercial and/or industrial use; and
- Implementation of the SMP.

4.3.2 Engineering Controls

- All engineering controls must be operated, maintained, and inspected as specified in the SMP;
- Soil Vapor Extraction – SVE System was operated and maintained from 2017 to 2020. The Department approved the shutdown and removal of the SVE system in December 2020.
- Cover System – The cover system, including buildings, concrete sidewalks, asphalt, stone, and landscaped vegetated areas are being maintained in general compliance with the SMP. Upon shutdown of the SVE system and removal of the SVE trailer, stone cover in this area was repaired and regraded to establish the required minimum depth of clean cover material in accordance with the Department-approved SMP.

  Cover system maintenance issues related to encroachment by invasive knotweed and varmint will be completed and details provided to the Department.

At the time of the site inspection, the Site was generally compliant with the engineering and institutional control requirements, with exceptions as noted above.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions:

The Site was in general compliance with the SMP.

Recommendations:

- Modification of groundwater sampling parameter list to NYSDEC Commissioners Policy-51 (CP-51) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs) starting in 2023.
- Removal of TMW-3 from future groundwater sampling events and decommissioning of the well.

6.0 DECLARATION/LIMITATION

Benchmark-TurnKey personnel conducted the annual site inspections for the 1050-1088 Niagara Street BCP Site No. C915277, located in Buffalo, New York, according to generally accepted practices. This report complied with the scope of work provided to 9271 Group, LLC by Benchmark TurnKey.

This report has been prepared for the exclusive use of 9271 Group, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of 9271 Group, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark-TurnKey.

TABLE

BENCHMARK & TURNKEY

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

1050-1088 NIAGARA STREET SITE
BCP Site No. C915277
BUFFALO, NEW YORK

Parameters [1]	Class GA GWQS [2]	TMW-3												MW-3										
		11/9/14	2/12/15	5/1/17	11/15/17	5/12/18	4/6/19	11/2/19	7/2/20	11/7/20	5/23/21	1/8/22	6/12/22	2/12/15	5/8/17	11/15/17	5/12/18	4/6/19	11/2/19	7/2/20	11/7/20	5/23/21	1/8/22	6/12/22
Volatile Organic Compounds (VOCs) - ug/L				D																				
1,1 Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**100 D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	1.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	0.62 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**54 D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	4.1 J	ND	ND	2.4 J	ND	3.8 J	5.8	1.5 J	2 J	1.8 J	1.5 J	21	ND	ND	ND	ND	ND	ND	27	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**67 D**	**7.9**	**10**	**31**	**39**	**28**	**32**	**36**	**31**	**16 J-**	**7.6 J-**
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	--	75	66	2.8 J	0.9 J	0.47 J	ND	ND	ND	ND	ND	ND	0.44 J	1000 D	70	100	160	260	210	350 D	370 D	540	280 J-	230 D, J-
Ethylbenzene	5	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**30 D**	ND	ND	ND	ND	1.7 J	2.2 J	2.8	3.6 J	2.9 J-	2.4 J-
Isopropylbenzene	5	**91**	**87**	**9.8 J**	1.3 J	1.4 J	0.72 J	ND	0.84 J	ND	ND	ND	ND	**200 D**	**36**	**44**	**27**	**60**	**60**	**57**	**70**	**88**	**55 J-**	**51 J-**
Methylcyclohexane	--	130	90	5.7 J	2.1 J	0.96 J	0.46 J	ND	ND	ND	ND	ND	0.66 J	1200 D	170	210	210	230	160	210 D	320 D	380	130 J-	160 J-
Methylene Chloride	5	2.6 J,B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**18**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	**20**	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**54 D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	**100**	**98**	**13 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**200 D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50 D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-butylbenzene	5	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.1**	ND	ND	2.4 J	4.2 J	4 J	4.2	**5.1**	**5.2 J**	3.4 J-	1.9 J-
Xylene, Total	5	ND	1.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13 J, D**	ND	2.1 J	3.6 J	**6.2 J**	**8.8 J**	**9.6**	**11.9**	**11.2 J**	**7.9 J-**	4.6 J-
Total VOCs	--	418.6 J,B	393.22 J	31.3 J	4.3 J	5.23 J	1.18 J	3.8 J	6.64 J	1.5 J	2 J	1.8 J	2.6 J	3027.2 J, D	283.9	366.1 J	434 J	599.4 J	472.5 J	665 J	842.8	1059 J	495.2 J-	457.5 J
VOCs Tentatively Identified Compounds (TICs)- ug/L																								
3-Phenylbut-1-ene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	133 NJ	ND	ND
Benzene, cyclopropyl-	--	--	160 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1-methyl-2-(1-methylethyl)-	--	--	140 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1-methyl-3-(1-methylethyl)-	--	--	200 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,2,3-trimethyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,2,3,4-tetramethyl-	--	--	49 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane, 2-Methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.2 NJ	ND	ND	116 NJ	38.7 NJ	ND
Cyclohexane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.4 NJ	ND	ND	ND	154 NJ	41.4 NJ	ND
Cyclohexane,1,1-dimethyl-	--	--	ND	ND	3.84 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane,1,1,3-trimethyl-	--	--	ND	ND	4.14 NJ	3.09 NJ	ND	ND	ND	ND	ND	ND	ND	ND	71.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102 NJ	ND
Cyclopentane, methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	83 NJ	ND	77.3 NJ	87.4 NJ	150 NJ	151 NJ	207 NJ	169 NJ	390 NJ	153 NJ	ND
Cyclopentane, 1,3-dimethyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89.2 NJ	ND	58.4 NJ	ND	ND	ND	ND	ND
1,4-Pentadiene, 3,3-dimethyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylidenecyclobutane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	83.2 NJ	ND	ND	ND
Isopropylcyclobutane	--	--	130 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, 1,3-dimethyl-, cis-	--	--	81 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane,4-methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, ethyl-	--	--	54 NJ	16.6 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	33 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclobutane, (1-methylethylidene)-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexene, 1-methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indan, 1-methyl-	--	--	68 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1H-Indene, 2,3-dihydro-2,2-dimethyl-	--	--	43 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Pentene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	153 NJ	ND	ND	ND	ND	ND	ND
Pentane, 2-methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	94.3 NJ	111 NJ	ND	ND	ND	ND	ND	ND	ND
Pentane, 3-methyl-	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.4 NJ	ND	62.8 NJ	55.2 NJ	ND	ND	98.8 NJ	ND	ND
Indane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47 NJ	55.1 NJ	80.5 NJ	ND	133 NJ	34.7 NJ	ND
Sulfur Dioxide	--	--	ND	ND	ND	ND	ND	1 NJ	ND	ND	2 NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Benzene	--	--	ND	43.8 J	ND	4.57 J	1.31 J	ND	1.12 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Aromatic(s)	--	--	ND	48.8 J	7.35 J	5.53 J	4.03 J	ND	1.07 J	ND	ND	ND	ND	ND	62.9 J	39.7 J	77.3 J	124.9 J	60 J	154.5	166.6 J	ND	32.6 J	ND
Unknown Cyclohexane	--	--	ND	21.2 J	10.84 J	ND	4.91 J	ND	ND	ND	ND	ND	ND	ND	164 J	141.6 J	159 J	90.7 J	68.5 J	ND	121 J	140 J	ND	ND
Unknown Cycloalkane(s)	--	--	ND	ND	7.75 J	8.17 J	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	180.1 J	238.1 J	174.4 J	71.9 J	158.2 J	141.2 J	143 J	ND	ND
Unknown(s)	--	--	52 J	18.4 J	3.41 J	5.16 J	1.29 J	1.08 J	ND	ND	ND	ND	ND	45 J	508.8 J	98.4 J	164.1 J	ND	237.8 J	368.9	291.3	390.3 J	154.7 J	ND
Total TICs	--	--	977	149	37.3	26.5	12.6	2.08	2.19	ND	2.00	ND	ND	373	931	697	926	896	815	1075	972	1698	557.1 J	ND
Semivolatile Organic Compounds (SVOCs) - ug/L																								
2-Methylnaphthalene	--	44	--	--	--	ND	ND	0.07 J	0.06 J	0.08 J	ND	0.19	0.08	ND	--	--	0.04 J	0.06 J	0.1 J	0.07 J	0.13	0.11 J	0.13	ND
Acenaphthene	20	ND	--	--	--	ND	ND	0.03 J	ND	0.04 J	ND	0.02 J	ND	ND	--	--	0.07 J	0.13	0.12	0.49	0.35	0.1	0.07 J	ND
Acenaphthylene	--	ND	--	--	--	ND	ND	ND	0.03 J	0.04 J	0.02 J	ND	0.03 J	ND	--	--	ND	0.02 J	ND	ND	0.05 J	0.05 J	ND	ND
Acetophenone	--	27	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	86 J	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	0.7 J	--	--	--	0.02 J	ND	0.1 J	0.05 J	0.08 J	0.04 J	ND	0.1 J	ND	--	--	0.05 J	0.06 J	0.06 J	0.05 J	0.11	0.11 J	ND	0.02 J
Benzaldehyde	--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	**0.46 J**	--	--	--	ND	ND	**0.46**	**0.2**	**0.15**	**0.09 J**	**0.32**	**0.22**	ND	--	--	**0.09 J**	**0.1 J**	**0.12**	**0.12**	**0.23**	**0.24**	ND	**0.02 J**
Benzo(a)pyrene	ND	**0.66 J**	--	--	--	**0.03 J**	**0.04 J**	**0.49**	**0.27**	**0.17**	**0.1**	**0.35**	**0.24**	ND	--	--	**0.08 J**	**0.07 J**	**0.08 J**	**0.09 J**	**0.18**	**0.18**	ND	ND
Benzo(b)fluoranthene	0.002	**1.5 J**	--	--	--	**0.04 J**	**0.04 J**	**0.77**	**0.33**	**0.21**	**0.14**	**0.54**	**0.34**	ND	--	--	**0.13**	**0.08 J**	**0.13**	**0.13**	**0.23**	**0.24**	ND	**0.01 J**
Benzo(ghi)perylene	--	0.67 J	--	--	--	0.02 J	0.03 J	0.48 J	0.31	0.23	0.1	0.46	0.3	ND	--	--	0.04 J	0.05 J	0.05 J	0.06 J	0.13	0.11 J	ND	ND
Benzo(k)fluoranthene	0.002	ND	--	--	--	**0.02 J**	**0.04 J**	**0.22**	**0.14**	**0.09 J**	**0.04 J**	**0.16**	**0.09**	ND	--	--	**0.05 J**	**0.07 J**	**0.04 J**	**0.06 J**	**0.12**	**0.08 J**	ND	ND
Benzoic acid	--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	**6.7 B**	--	--	--	**8.2 B**	ND	3.6	**7.8**	2 J	1.7 J	ND	ND	ND	--	--	**7.2 B**	3.6	2.6 J	2 J	2.6 J	2.4 J	ND	**6.2**
Butyl benzyl phthalate	50	ND	--	--	--	ND	ND	ND	7.9	6.6	3.5 J	10	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	--	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	--	ND	--	--	--	ND	ND	ND	ND	ND	3.5 J	49	ND	ND	--	--	ND	ND	ND	ND	ND	ND	93	ND
Chrysene	0.002	**0.49 J**	--	--	--	ND	**0.04 J**	**0.44**	**0.35**	**0.21**	**0.11**	**0.49**	**0.32**	ND	--	--	**0.13**	ND	**0.1**	**0.12**	**0.23**	**0.26**	ND	ND
Dibenzo(a,h)anthracene	--	ND	--	--	--	ND	ND	0.11	0.05 J	0.05 J	0.03 J	ND	0.05 J	ND	--	--	ND	0.01 J	0.02 J	ND	0.04 J	0.03 J	0.02 J	ND
Dibenzofuran	--	0.95 J	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	--	--	--	0.73 J	ND	1.6 J	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	--	--	--	ND	ND	ND	ND	0.56 J	ND	ND	ND	ND	--	--	ND	2.6 J	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1.3 J	--	--	--	0.07 J	0.07 J	0.73 J	0.4	0.23	0.18	0.62	0.44	ND	--	--	0.23	0.22	0.22	0.22	0.36	0.47	ND	ND
Fluorene	50	1.2 J	--	--	--	0.02 J	ND	0.05 J	0.03 J	0.05 J	0.02 J	ND	0.03 J	ND	--	--	0.06 J	0.07 J	0.08 J	0.08 J	0.1 J	0.12	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	**0.64 J**	--	--	--	**0.02 J**	**0.03 J**	**0.48**	**0.22**	**0.16**	**0.1 J**	**0.33**	**0.2**	ND	--	--	**0.05 J**	**0.04 J**	**0.07 J**	**0.06 J**	**0.14**	**0.13**	ND	ND
Isophorone	50	37	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	9.6	--	--	--	ND	ND	0.09 J	0.06 J	0.08 J	0.09 J	0.16	0.1	ND	--	--	ND	0.59	0.58	ND	0.19	1.6	ND	0.19
Pentachlorophenol	1	--	--	--	--	ND	ND	ND	0.32 J	0.21 J	ND	0.48 J	ND	ND	--	--	0.11 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	2.5 J	--	--	--	0.07 J	0.05 J	0.41	0.29	0.2	0.11	0.58	0.38	ND	--	--	0.2	0.24	0.21	0.18	0.3	0.4	ND	0.03 J
Phenol	1	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	**1.6 J**	ND	**1.3 J**	ND	ND	ND	ND	**1.7 J**
Pyrene	50	1 J	--	--	--	0.06 J	0.07 J	0.66	0.36	0.2	0.16	0.54	0.38	ND	--	--	0.22	0.22	0.21	0.23	0.38	0.46	ND	ND
Total SVOCs	--	136.37 J	--	--	--	9.3 J, B	0.41 J	10.79 J	19.16 J	11.64 J	10.03 J	64.24 J	3.3 J	86 J	--	--	10.35 J, B	8.23 J	6.09 J	3.96 J	5.87 J	7.09 J	93.22 J	8.17 J
SVOCs Tentatively Identified Compounds (TICs)- ug/L																								
1-Phenyl-1-butene	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	230 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Aldol Condensates	--	--	--	--	--	--	34 J	188.3 J	14.1 J	ND	ND	ND	ND	ND	ND	--	--	ND	375.3 J	ND	ND	ND	ND	ND
Benzene, 1,2,4,-trimethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	280 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Benzene, 1-ethyl-2-methyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	180 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Benzene, 1-methyl-2-(1-methylethyl)-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	220 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,4-diethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	180 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Benzene, propyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	150 JN	--	--	ND	ND	ND	ND	ND	19.5 NJ	16.5 NJ
Caffeine							ND	ND	ND	ND	ND	ND	ND	ND		--	--	ND	ND	ND	ND	ND	ND	11.3 NJ
Cyclic Octaatomic Sulfur	--	--	--	--	--	--	ND	ND	ND	4.47 NJ	ND	ND	ND	ND		--	--	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, 1,1,2,3-tetramethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	170 JN	--	--	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, 1,1,3-trimethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	120 JNB	--	--	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, ethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND		--	--	ND	ND	34.9 NJ	ND	ND	ND	ND
Cyclohexane, propyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND		--	--	ND	ND	29.2 NJ	ND	ND	ND	ND
Indane	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	200 JN	--	--	ND	ND	97.5 NJ	115 NJ	46.6 NJ	79.7 NJ	71.4 NJ	69.1 NJ
Octane, 2,6-dimethyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	150 JN	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Octane, 3-methyl-	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	140 JN	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Alcohol	--	--	--	--	--	--	ND	ND	ND	128.8 J	ND	3.31 J	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Aldehyde	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	4.44 J	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Alkane	--	--	--	--	--	--	ND	ND	31.41 J	ND	11.85	ND	ND	64.91 J	ND	--	--	40.6 J	271.9 J	117.4 J	201.9 J	270.6 J	150.6 J	ND	51.7 J
Unknown Amide	--	--	--	--	--	--	ND	ND	ND	ND	6.91 J	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Benzene	--	--	--	--	--	--	ND	ND	ND	ND	4.04	ND	ND	13.6 J	ND	--	--	63.1 J	42.8 J	60 J	ND	ND	71.1 J	33.3 J	34.4 J
Unknown Cycloalkane	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	13.7 J	ND	ND	86.5 J	205.2 J	55.1 J	ND	ND
Unknown Cyclohexane	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	92.2 J	138.3 J	ND	ND	ND	ND	ND
Unknown Organic Acid	--	--	--	--	--	--	161.49 J	1.45 J	42.1 J	94.7 J	10.2 J	15.45 J	50.1 J	12.83 J	ND	--	--	ND	ND	ND	ND	ND	ND	444.9 J	12.4
Unknown Phenol	--	--	--	--	--	--	ND	ND	2.84 J	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Siloxane	--	--	--	--	--	--	ND	ND	ND	12.2 J	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Unknown	--	--	--	--	--	--	9.99 J	12.21 J	76.61 J	337.1 J	69.42 J	165.59 J	841.44 J	15.16 J	1200 J	--	--	216.4 J	237.7 J	117.5 J	249.1 J	277.5 J	122.5 J	134.5 J	100.3 J
Total TICs	--	--	--	--	--	--	205	202	167	573	107	184	988 J	126 J	3220	--	--	334	1020	595	653	800	479	736 J	318 J

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards.
3. MW-5 was not sampled during May 2017 sampling due to damage to the well. MW-4 and MW-5R has have been routinely dry.

Qualifiers:
D = Dilution required due to high concentration of target analyte above the laboratory reporting limit.
ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no GWQS available for the parameter.
J = Estimated Value - Below calibration range
NJ = Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
B = Compund was found in the blank and sample.
BOLD = Result exceeds GWQS.

BENCHMARK TURNKEY

TABLE 1

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

1050-1088 NIAGARA STREET SITE
BCP Site No. C915277
BUFFALO, NEW YORK

Parameters [1]	Class GA GWQS [2]	MW-4			MW-5R	MW-6										Blind Dup-1 (MW-6)
		2/12/15	5/8/17	11/15/2017 - 6/12/2022	11/15/2017 - 6/12/2022	11/9/14	11/15/17	5/12/18	4/6/19	11/2/19	7/2/20	11/7/20	5/23/21	1/8/22	6/12/2022	6/12/2022
Volatile Organic Compounds (VOCs) - ug/L				DRY	DRY											
1,1 Dichloroethane	**5**	0.59 J	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	**12 D**	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	**9.2 J, D**	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	**50**	6.5 J	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	**50**	4.9 J	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	**5**	2.4	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50**	17	5.4	--	--	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
Benzene	**1**	**370 D**	**66**	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60**	1	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**--**	240 D	33	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**5**	**6.2**	0.75 J	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**5**	**120 D**	**9**	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	**--**	ND	ND	--	--	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	240 D	14	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**5**	5	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	**23 D**	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Proplybenzene	**5**	**130 D**	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	**25 D**	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-butylbenzene	**5**	3	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	**12 D**	1.2 J	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene, Total	**5**	**19 J, D**	1 J	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	--	1246.79 J, D	130.35 J	--	--	--	--	--	--	3.03 J	ND	ND	ND	ND	ND	ND
VOCs Tentatively Identified Compounds (TICs)- ug/L																
Butane, 2-Methyl-	**--**	ND	2.22 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, cyclopropyl-	**--**	150 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1-methyl-2-(1-methylethyl)-	**--**	120 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane,1,1,3-trimethyl-	**--**	ND	2.46 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	**--**	48 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclopentane, methyl-	**--**	81 NJ	14.9 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane,4-methyl-	**--**	ND	4.35 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane, ethyl-	**--**	56 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclobutane, (1-methylethylidene)-	**--**	39 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexene, 3-methyl-	**--**	66 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexene, 4-methyl-	**--**	47 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indan, 1-methyl-	**--**	194 NJ	ND	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	**--**	ND	26 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	**--**	ND	1.79 NJ	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Benzene	**--**	ND	11.92 J	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Aromatic	**--**	ND	13.58 J	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Cycloalkane	**--**	ND	4.06 J	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown	**--**	ND	17.01 J	--	--	--	--	1.41 J	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	**--**	801	98.3 J	--	--	--	--	1.41	ND	ND	ND	ND	ND	ND	ND	ND
Semi-volatile Organic Compounds (SVOCs) - ug/L																
2-Methylnaphthalene	**--**	0.94 J	--	--	--	ND	--	ND	ND	0.1 J	ND	0.03 J	ND	ND	ND	ND
Acenaphthene	**20**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	0.14	ND
Acenaphthylene	**--**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	**--**	6	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**50**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	0.14	ND
Benzaldehyde	**--**	ND	--	--	--	0.54 J,B	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.002**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	**0.03 J**	ND	**0.17**	ND
Benzo(a)pyrene	**ND**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	**0.02 J**	ND	**0.15**	ND
Benzo(b)fluoranthene	**0.002**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	**0.02 J**	ND	**0.27**	**0.01 J**
Benzo(ghi)perylene	**--**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	0.02 J	ND	0.18	ND
Benzo(k)fluoranthene	**0.002**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	**0.07 J**	ND
Bis(2-ethylhexyl) phthalate	**5**	ND	--	--	--	4.5 J,B	--	**6.4 B**	ND	ND	ND	1.5 J	1.5 J	ND	ND	ND
Chrysene	**0.002**	ND	--	--	--	ND	--	ND	**0.02 J**	ND	ND	**0.01 J**	**0.02 J**	ND	**0.2**	ND
Dibenzo(a,h)anthracene	**--**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	0.04 J	ND
Fluoranthene	**50**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	0.04 J	ND	0.53	0.02 J
Fluorene	**50**	0.7 J	--	--	--	ND	--	ND	0.03 J	ND	ND	ND	ND	ND	0.14	ND
Hexachlorobenzene	**0.04**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	**0.12 J**	ND
Indeno(1,2,3-cd)pyrene	**0.002**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	**0.01 J**	ND	**0.16**	ND
Naphthalene	**10**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	0.56	ND
Phenanthrene	**50**	0.63 J	--	--	--	ND	--	ND	0.07 J	ND	ND	ND	0.03 J	ND	0.44	0.02 J
Pyrene	**50**	ND	--	--	--	ND	--	ND	ND	ND	ND	ND	0.03 J	ND	0.42	ND
Total SVOCs	**--**	8.27 J	--	--	--	5.04 J, B	--	6.4 B	0.12 J	0.1 J	ND	1.54 J	1.72 J	ND	3.73 J	0.05 J
SVOCs Tentatively Identified Compounds (TICs)- ug/L																
1h-Indene, 2,3-dihydro-5-methyl-	--	17 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldol Condensates	--	ND	--	--	--	--	--	31.7 J	226.5 J	10.7 J	ND	ND	ND	ND	ND	ND
Benzene, 1-ethyl-2,3-dimethyl-	--	52 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, (1-methylethyl)-	--	31 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, (1-methylpropyl)-	--	15 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,2,4,5-tetramethyl-	--	38 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,3-diethyl-	--	16 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, 1,4-diethyl-	--	23 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene, propyl-	--	30 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Erucylamide	--	19 NJB	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	--	80 NJ	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Hexadecanoic acid	--	16 NJB	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Alcohol	--	ND	--	--	--	--	--	ND	ND	ND	ND	2.14 J	ND	ND	16 J	ND
Ubnkown Aldehyde	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	2.69 J
Unknown Alkane	--	ND	--	--	--	--	--	ND	ND	ND	ND	11.27 J	ND	3.78 J	66.13 J	54.02 J
Unknown Benzene	--	ND	--	--	--	--	--	ND	ND	ND	ND	3.27 J	ND	ND	ND	11.1 J
Unknown Organic Acid	--	ND	--	--	--	--	--	ND	1.93 J	1.6 J	2.62 J	3.89 J	ND	8.25 J	5.38 J	6.11 J
Unknown	--	318 JB	--	--	--	--	--	ND	1.64 J	2.4 J	17.98 J	13.45 J	ND	1.78 J	43.42 J	17.6 J
Total TICs	--	655	--	--	--	--	--	31.7	230	14.7	20.6	34.0	ND	13.8 J	131 J	105 J

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards.
3. MW-5 was not sampled during May 2017 sampling due to damage to the well. MW-4 and MW-5R has have been routinely dry.

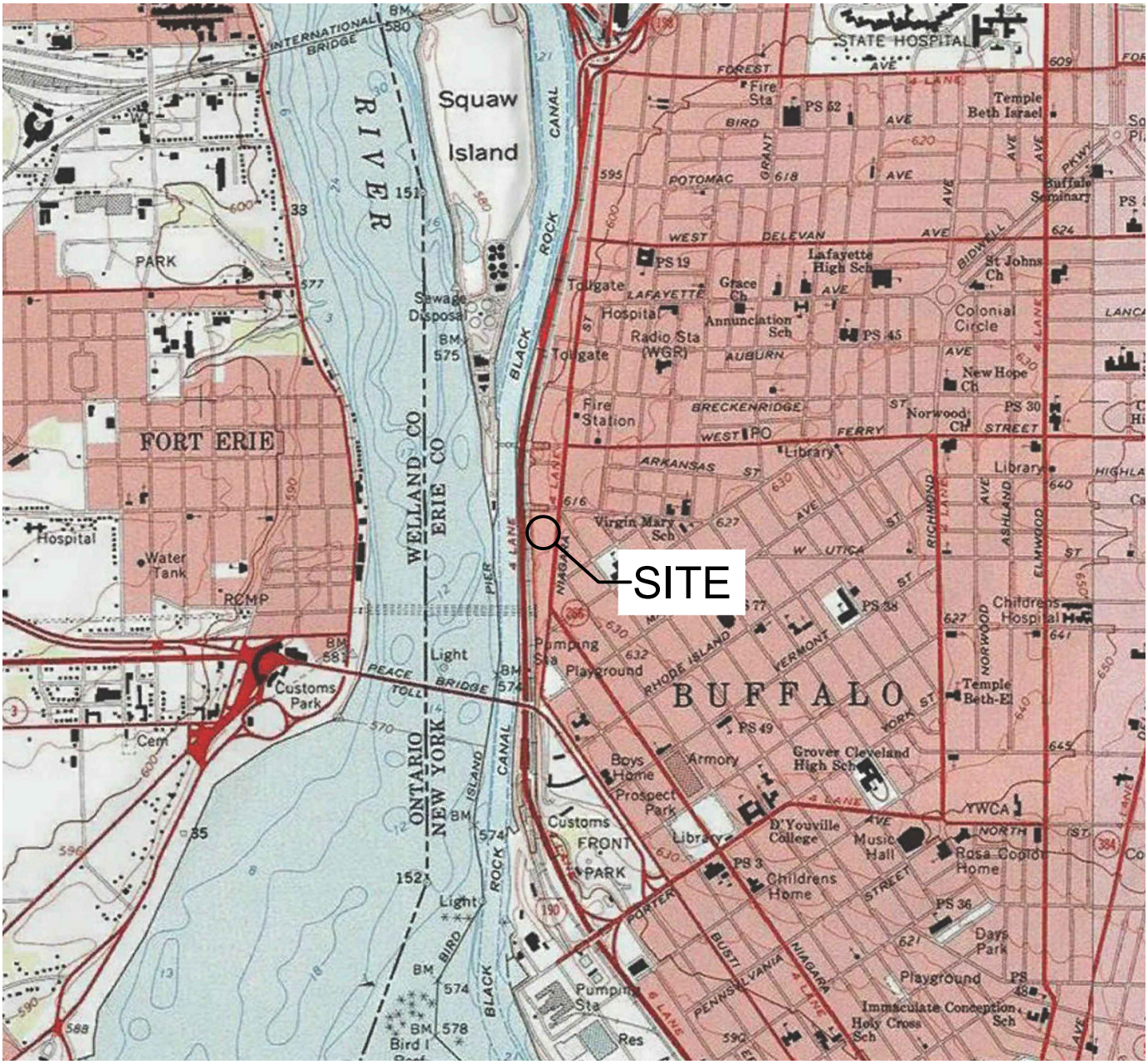
Qualifiers:

D = Dilution required due to high concentration of target analyte above the laboratory reporting limit.
ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no GWQS available for the parameter.
J = Estimated Value - Below calibration range
NJ = Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
B = Compund was found in the blank and sample.
BOLD = Result exceeds GWQS.

FIGURES

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\PRR\2022\Figure 1 - Site Location and Vicinity Map.dwg

FIGURE 1



N

2000' 0' 2000' 4000'

SCALE: 1 INCH = 2000 FEET
SCALE IN FEET
(approximate)

BENCHMARK IN ASSOCIATION WITH TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0136-013-005

DATE: JULY 2022

DRAFTED BY: CMS

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

1050-1088 NIAGARA STREET SITE
BCP SITE NO. C915277
BUFFALO, NEW YORK

PREPARED FOR

9271 GROUP, LLC

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\PRR\2022\Figure 2 - Site Plan (Aerial).dwg

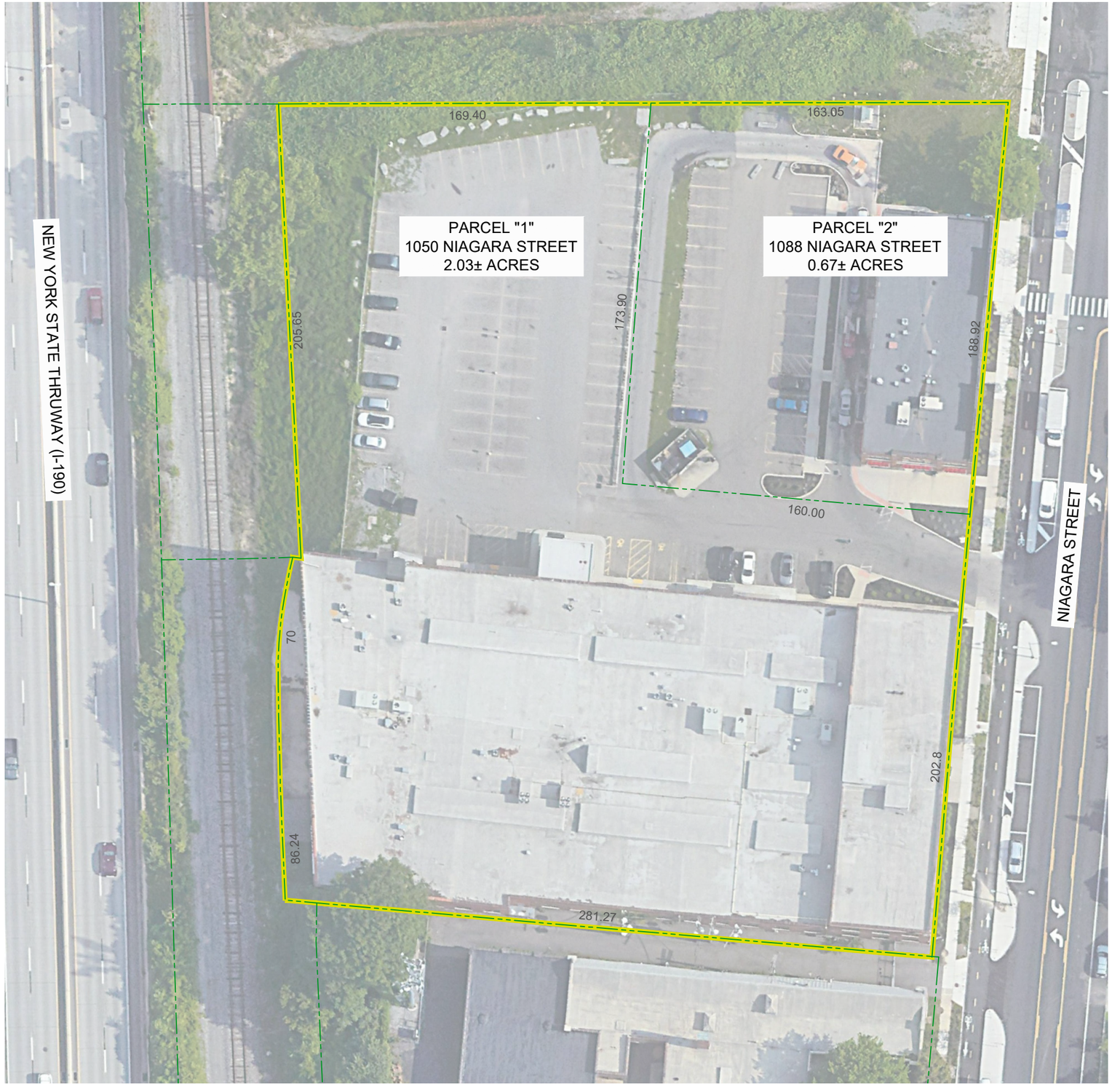
LEGEND:

BCP SITE BOUNDARY

PARCEL BOUNDARY

NOTE:

- PARCEL INFORMATION PER SURVEY BY KHEOPS ARCHITECTURE, ENGINEERING & SURVEY, DPC REVISED MAY 16, 2017.
- ERIE COUNTY REAL ESTATE ONLY REVISES TAX MAPS AND ISSUES S.B.L. NUMBERS BI-ANNUALLY, AND AT THE TIME OF THIS REPORT, THE NEWLY RECONFIGURED PARCELS HAVE NOT BEEN UPDATED BY ERIE COUNTY. WHEN ERIE COUNTY UPDATES THE DATABASE, A COPY OF THE PARCEL REPORTS WILL BE PROVIDED TO THE DEPARTMENT.
- AERIAL IMAGE PROVIDED BY GOOGLE EARTH DATED JULY 2021.



N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2022
DRAFTED BY: CMS

TURNKEY ENVIRONMENTAL RESTORATION, LLC
IN ASSOCIATION WITH
BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0136-013-005

SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

1050-1088 NIAGARA STREET
BCP SITE NO. C915277
BUFFALO, NEW YORK

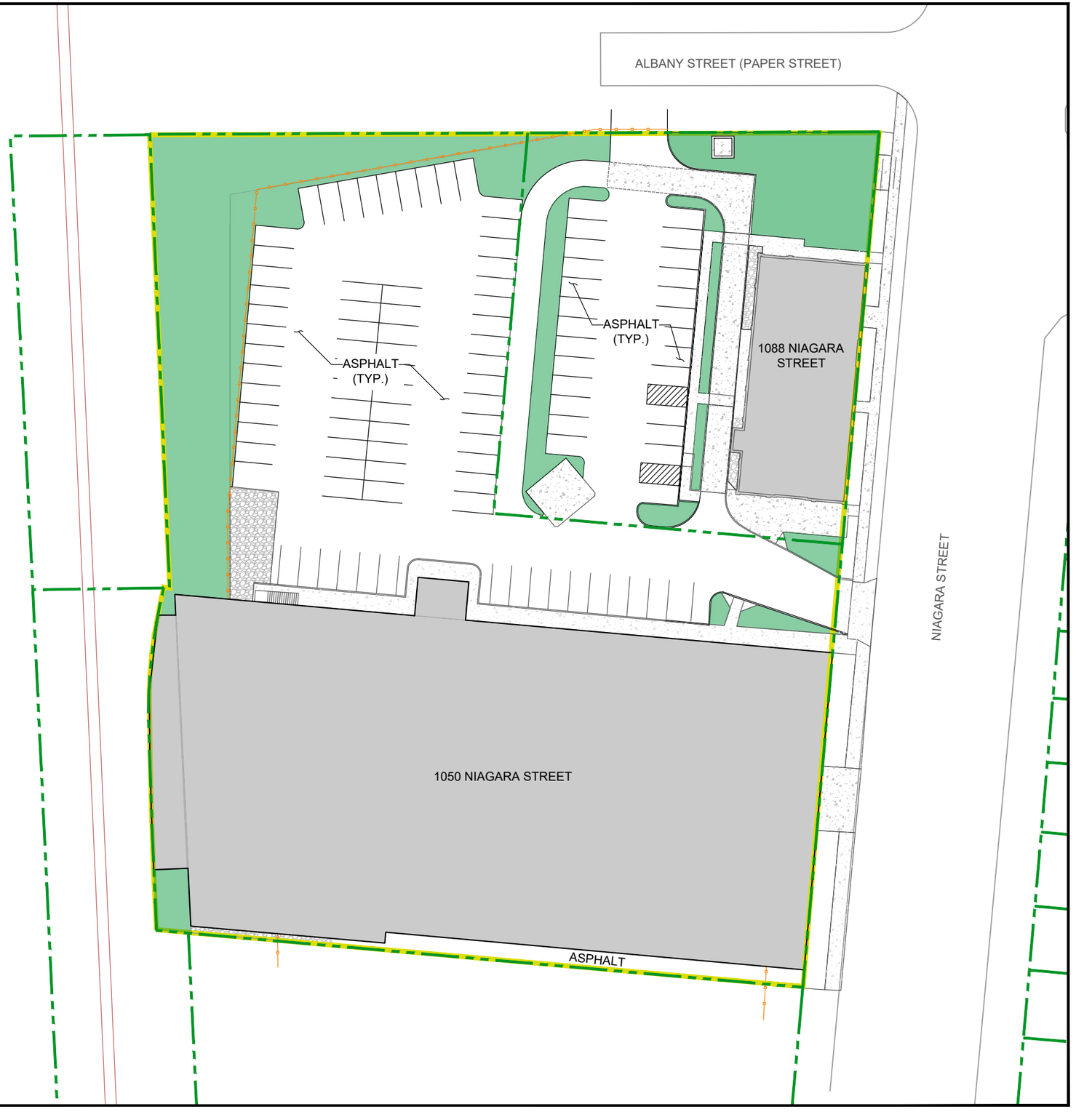
PREPARED FOR
9271 GROUP, LLC

FIGURE 2

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\PRR\2022\Figure 3 - Cover System Layout.dwg

LEGEND:

- BCP PROPERTY BOUNDARY
- PARCEL BOUNDARY
- FENCE
- RAILROAD
- BUILDING
- SOIL COVER AREA
- STONE COVER AREA
- CONCRETE AREA



N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2022
DRAFTED BY: CMS

TURNKEY ENVIRONMENTAL RESTORATION, LLC
IN ASSOCIATION WITH
BENCHMARK
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0136-013-005

COVER SYETM LAYOUT

PERIODIC REVIEW REPORT
1050-1088 NIAGARA STREET
BCP SITE NO. C915277
BUFFALO, NEW YORK
PREPARED FOR
9271 GROUP, LLC

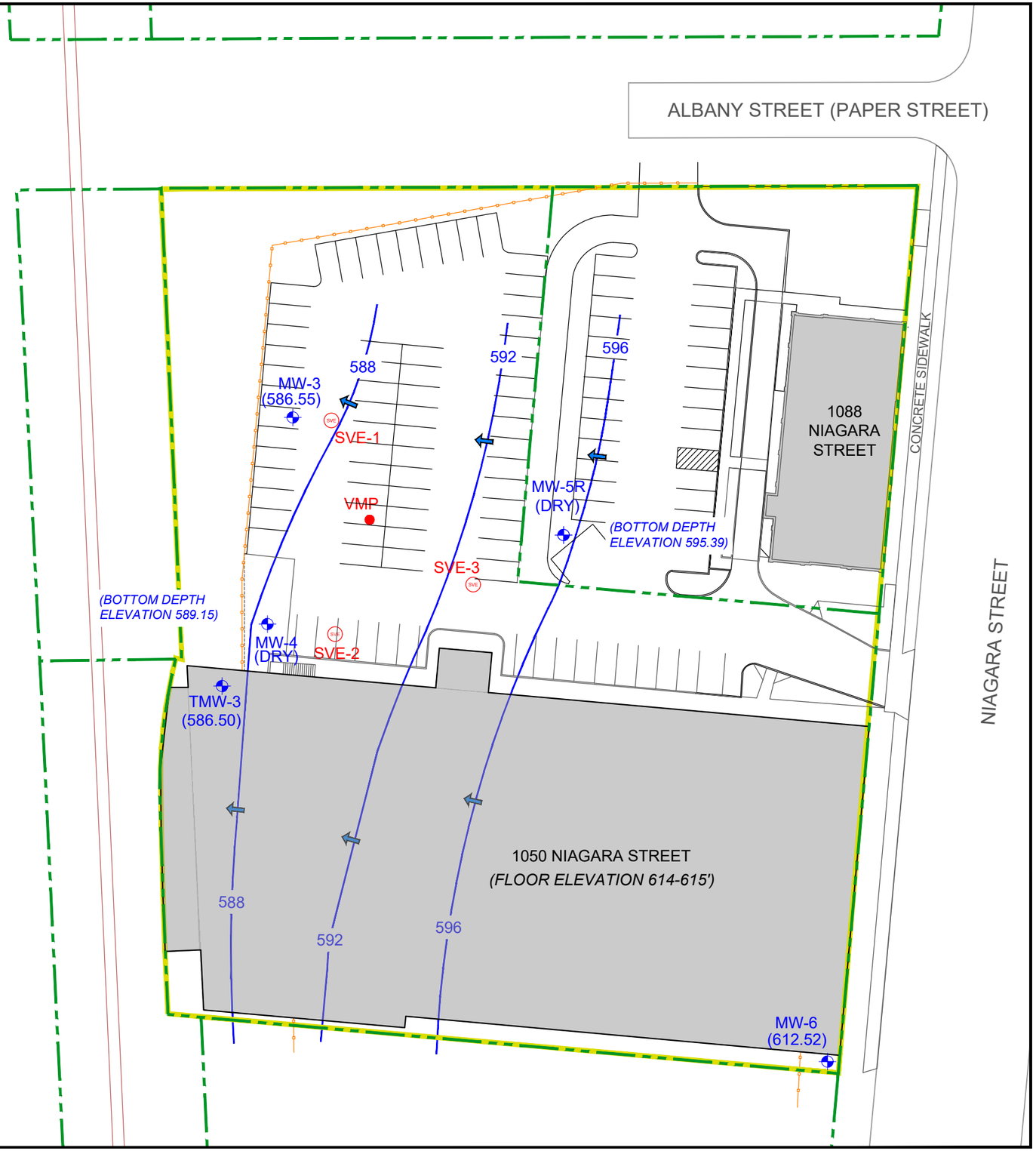
FIGURE 3

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\PRR\2022\Figure 4A Groundwater Network and Isopotential_January 2022.dwg

LEGEND:

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- FENCE
- RAILROAD
- BUILDINGS ONSITE
- MW-1 — MONITORING WELL
- SVE-3 — SOIL VAPOR EXTRACTION WELL
- VMP — VACUUM MONITORING POINT
- 596 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER ELEVATION CONTOUR

NOTE: ELEVATIONS PER FIELD DATA TAKEN JANUARY 8, 2022.



N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2022
DRAFTED BY: CMS

TURNKEY ENVIRONMENTAL RESTORATION, LLC
IN ASSOCIATION WITH
BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0136-013-005

GROUNDWATER NETWORK AND ISOPOTENTIAL (JANUARY 2022)

PERIODIC REVIEW REPORT

1050-1088 NIAGARA STREET SITE
BCP SITE NO. C915277
BUFFALO, NEW YORK

PREPARED FOR
9271 GROUP, LLC

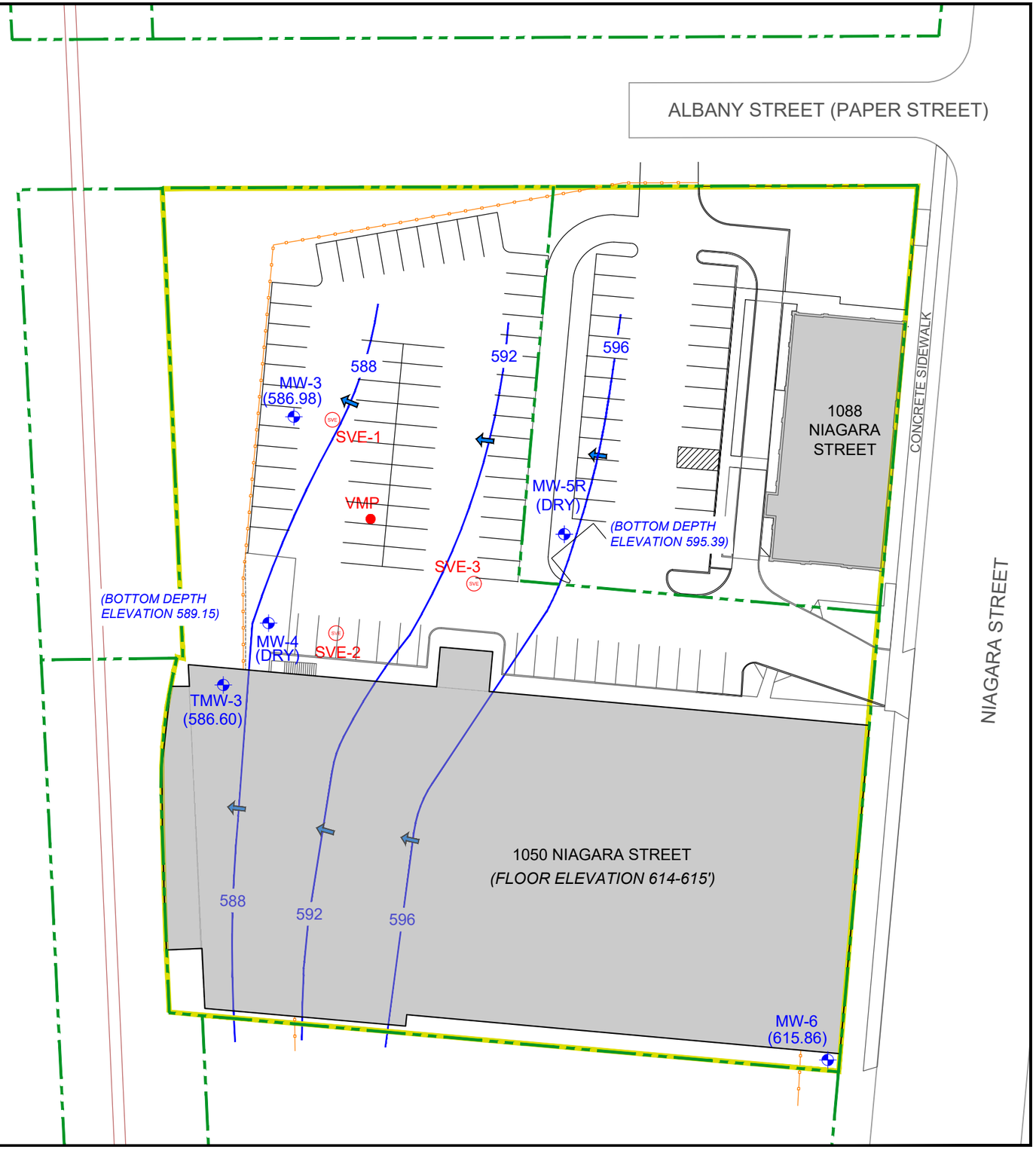
FIGURE 4A

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\PRR\2022\Figure 4B; Groundwater Network and Isopotential_June 2022.dwg

LEGEND:

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- FENCE
- RAILROAD
- BUILDINGS ONSITE
- MW-1 — MONITORING WELL
- SVE-3 — SOIL VAPOR EXTRACTION WELL
- VMP — VACUUM MONITORING POINT
- 596 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER ELEVATION CONTOUR

NOTE: ELEVATIONS PER FIELD DATA TAKEN JUNE 12, 2022.



N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2022
DRAFTED BY: CMS

TURNKEY ENVIRONMENTAL RESTORATION, LLC
IN ASSOCIATION WITH
BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0136-013-005

GROUNDWATER NETWORK AND ISOPOTENTIAL (JUNE 2022)

PERIODIC REVIEW REPORT

1050-1088 NIAGARA STREET SITE
BCP SITE NO. C915277
BUFFALO, NEW YORK

PREPARED FOR
9271 GROUP, LLC

FIGURE 4B

APPENDIX A

NYSDEC CERTIFICATION AND NOTIFICATION FORMS

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C915277**

Site Name 1050-1088 Niagara Street Site

Site Address: 1050-1088 Niagara Street Zip Code: 14213
City/Town: Buffalo
County: Erie
Site Acreage: 2.700

Reporting Period: July 31, 2021 to July 31, 2022

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915277 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
99.41-1-15.1	9271 Group, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Semi-Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

99.41-1-15.21	9271 Group, LLC	Monitoring Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan IC/EC Plan

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Semi-Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

Box 4

Description of Engineering Controls

Parcel	Engineering Control
99.41-1-15.1	Cover System Monitoring Wells

- Cover consisting of hardscape or clean soil
- In-situ plume reduction measure

99.41-1-15.21	Monitoring Wells Cover System

Parcel	Engineering Control
• Cover consisting of hardscape or clean soil • In-situ plume reduction measure	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	

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

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

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

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

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

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

YES	NO
X	

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

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

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C915277

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I William Paladino at 295 Main St Ste 200, Buffalo, NY 14203
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

, Mgr 10/10/22
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

1050-1088 Niagara Street Site C915277

Box 7

Professional Engineer Signature

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

I Thomas H Forbes (print name) at 2558 Hamburg Turnpike, Buffalo NY 14218 (print business address),

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

STATE OF NEW YORK
THOMAS H. FORBES
No. 70550-1
LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date 10-28-22

APPENDIX B

SITE PHOTO LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: View of the existing asphalt parking area/cover system and vegetated cover along the northern portion of the Site – facing west

Photo 2: View of the existing asphalt parking area/cover system – facing south

Photo 3: View of typical vegetated cover within the northeastern portion of the Site – facing west

Photo 4: View of the drive-thru area and vegetated cover system (note: cover system repair) – facing north

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: View of typical landscaping within the parking area – facing southwest

Photo 6: View of typical landscaping within the parking area – facing southeast

Photo 7: View of the stabilized bank along the western portion of the Site – facing southwest

Photo 8: View of the stabilized bank along the western portion of the Site – facing northwest

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

Photo 11:

Photo 12:

Photo 9: View of the former location of the SVE trailer with stone cover – facing north

Photo 10: View of typical vegetated cover within the northwestern portion of the Site – facing east

Photo 11: View of the cover system within the southern portion of the Site – facing west

Photo 12: View of stabilized bank and stone cover south of the existing 1050 Niagara Street building – facing east

1050-1088 Niagara Street Site
BCP Site No. C915277

Photo Date: June 11 and September 9, 2022

BENCHMARK TURNKEY

APPENDIX C

GROUNDWATER MONITORING SAMPLING LOGS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 1055-1088 NIAGARA Date: 1/7/22

Location: " Project No.: 0136-022-002 Field Team: CS

Well No. MW-3			Diameter (inches): 2"			Sample Date / Time: —			
Product Depth (fbTOR):			Water Column (ft): 1.43			DTW when sampled: —			
DTW (static) (fbTOR): 27.00			One Well Volume (gal): 0.23			Purpose: ☒ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 28.43			Total Volume Purged (gal): ~~2.30~~ 2.33			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
915	0 Initial	—	10.12	10.4	5655	71000	—	98	TURBID, TAN
922	1 28.11	0.25	10.12	10.1	5339	↓	↓	36	FAINT ODOR
929	2 28.12	0.5	10.22	11.1	5549			35	THICK LAYER
936	3 DRY	0.75	10.17	10.5	5459	↓		37	ON FLOOR
942	4 28.07	1.00	10.08	12.5	4439	95.8		-11	
948	5 28.13	1.25	10.08	12.8	4410	71.2		-20	
954	6 27.91	1.50	10.03	13.4	4648	60.1		43	
1000	7 28.19	1.75	10.00	13.5	4190	62.9		4	
1007	8 28.05	2.00	9.98	11.5	4135	74.5		20	
1014	9 28.17	2.25	9.89	12.2	3848	34.8		28	
1021	10 28.19	2.50	9.94	11.9	3950	46.8	↓	32	
Sample Information:									
	S1								
	S2								

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS: DO STOPPED WORKING AFTER CALIBRATION

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: CS

TurnKey Environmental Restoration LLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name:

Project No.:

Client:

Date: 1/7/22

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	903	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	CS	4.00 7.00 10.01	4.01 7.01 10.01	
☒ Turbidity meter	NTU	904	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☒ 17110C062619 (Q) ☐	CS	10 NTU verification <0.4 20 100 800	 19.6 98.8 789	
☒ Sp. Cond. meter	uS mS	907	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	CS	7000 mS @ 25 °C	7003	
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	910	HACH Model HQ30d	080700023281 ☐ 100500041867 ☒ 140200100319 ☐	CS	100% Satuartion	100% 98.1 SLOPE	
☐ Particulate meter	mg/m³					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: CS **DATE:** 1/7/22

GROUNDWATER FIELD FORM

Project Name: 1050 - 1088 NIAGARA Date: 1/8/22
Location: " Project No.: 0136 - 020 - 002 Field Team: CS

Well No. TMW-3			Diameter (inches): 1"			Sample Date / Time: 1/8/22 1046			
Product Depth (fbTOR):			Water Column (ft): 3.25			DTW when sampled: 14.53			
DTW (static) (fbTOR): 11.81			One Well Volume (gal): 0.13			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 15.06			Total Volume Purged (gal): 0.40			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
931	0 Initial	—	6.94	12.3	2705	>1000	3.02		TURBID, TAN
936	1 13.59	0.13	7.17	12.2	2665	↓	4.55		NO ODOR
942	2 13.90	0.26	7.25	11.5	2653		—		
946	3 14.32	0.40	7.32	12.3	2546	↓	—		
	4 (DRY)								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1046	S1 14.68	0.50	7.36	12.2	2621	>1000	—		
1047	S2 14.75	2.60	7.31	12.2	2579	>1000	—		

Well No. MW-3			Diameter (inches): 2"			Sample Date / Time: 1/8/22 1225			
Product Depth (fbTOR):			Water Column (ft): 1.54			DTW when sampled: 28.20			
DTW (static) (fbTOR): 26.89			One Well Volume (gal): 0.25			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 28.43			Total Volume Purged (gal): 0.75			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1215	0 Initial	—	10.01	12.2	4235	>1000	—	25	TURBID, TAN
1218	1 28.11	0.25	9.95	11.9	4130	113	↓	30	
1221	2 28.12	0.50	9.97	12.1	3948	75.4		38	
1223	3 28.14	2.75	9.89	12.2	4007	89.1		36	CLEARISH
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1225	S1 28.20	1.00	9.91	12.0	3966	56.1		40	
1229	S2 28.20	1.20	9.96	12.2	4010	51.4		32	

REMARKS: D.O. STOPPED WORKING DURING SAMPLING OF TMW-3.

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: CS

GROUNDWATER FIELD FORM

Project Name: 1050-1088 NIAGARA Date: 1/8/22

Location: Project No.: 0136-022-002 Field Team: CS

Well No. MW-6			Diameter (inches): 2"			Sample Date / Time: 1/8/22 1140			
Product Depth (fbTOR):			Water Column (ft): 7.41			DTW when sampled: 14.03			
DTW (static) (fbTOR): 9.49			One Well Volume (gal): 1.21			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 16.90			Total Volume Purged (gal): 3.62			Purge Method: BAILER			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1125	0 Initial	—	8.04	13.4	1534	667	—	43	SLIGHT TURBID
1128	1 11.61	1.25	7.68	13.7	1543	>1000	↓	72	TAN, NO ODOR
1132	2 13.55	2.50	7.65	14.0	1516	↓	↓	86	
1135	3 13.98	3.75	7.64	14.3	1525	↓	↓	98	
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1140	S1 14.23	4.25	7.70	13.7	1538	>1000	—	105	"
1147	S2 13.47	4.50	7.65	14.0	1551	>1000	—	108	

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS: D.O. STOPPED WORKING

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: CS

TurnKey Environmental Restoration, LLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 1050 - 1088 NIAGARA

Project No.: 0136- [redacted] 020 - 002

Client: ELLI EQUITY

Date: 1/8/22

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	916	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	CS	4.00 7.00 10.01	4.00 7.00 10.01	
☒ Turbidity meter	NTU	910	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☒ 17110C062619 (Q) ☐	CS	10 NTU verification <0.4 20 100 800	 19.4 97.1 785	
☒ Sp. Cond. meter	uS mS	917	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	CS	7000 mS @ 25 °C	7004	
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	900	HACH Model HQ30d	080700023281 ☐ 100500041867 ☒ 140200100319 ☐	CS	100% Satuartion	100% 97.9% Slope	
☐ Particulate meter	mg/m³					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: CS **DATE:** 1/8/22

GROUNDWATER FIELD FORM

Project Name: 1050 Niagara St. Site Date: 6/12/22
Location: Buffalo, NY Project No.: T0136-020-002 Field Team: EAS

Well No. TMW-3			Diameter (inches): 1"			Sample Date / Time: 6/12/22 1215			
Product Depth (fbTOR): -			Water Column (ft): 5.09			DTW when sampled:			
DTW (static) (fbTOR): 9.71			One Well Volume (gal): 0.21			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 14.80			Total Volume Purged (gal): 0.5			Purge Method: Bailer			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1048	0 Initial	-	6.75	15.7	4475	32.5	7.73	239	Clear, no odor
1101	1 10.78	0.2	7.25	17.9	2776	>1000	7.64	220	Turbid, no odor
1112	2 12.45	0.4	7.41	15.9	2737	>1000	6.28	205	" "
1118	3 NRY	0.5	7.47	16.7	2751	>1000	6.85	198	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1210	S1 NRY	0.5	7.36	16.4	2781	>1000	6.71	197	" "
1218	S2 NRY	0.5	7.41	16.3	2756	>1000	6.85	198	" "

Well No. MW-3			Diameter (inches): 2"			Sample Date / Time: 6/12/22 1230			
Product Depth (fbTOR): -			Water Column (ft): 2.06			DTW when sampled:			
DTW (static) (fbTOR): 26.46			One Well Volume (gal): 0.33			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 28.50			Total Volume Purged (gal): 0.6			Purge Method: Bailer			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1138	0 Initial	-	9.80	17.7	3857	103	2.46	-74	Clear, slight
1148	1 28.18	0.3	10.33	16.6	5892	271	2.56	-107	petrol odor
1155	2 NRY	0.5	10.28	16.6	5802	338	2.70	-103	↓
1200	3 NRY	0.6	10.17	16.5	5818	340	2.76	-100	↓
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1227	S1 NRY	0.7	10.13	16.6	5813	330	2.81	-100	" "
1235	S2 NRY	0.8	10.08	16.4	5807	337	2.71	-105	" "

REMARKS:

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: EAS

GROUNDWATER FIELD FORM

Project Name: 1050 Niagara St. Site Date: 6/12/22
Location: Buffalo, NY Project No.: T0136 020-002 Field Team: EAS

Well No. MW-6			Diameter (inches): 2"			Sample Date / Time: 6/12/22 1315			
Product Depth (fbTOR): –			Water Column (ft): 10.45			DTW when sampled:			
DTW (static) (fbTOR): 6.15			One Well Volume (gal): 1.70			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 16.80			Total Volume Purged (gal): ~6			Purge Method: Bailer			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1240	0 Initial	–	8.93	15.4	1412	198	4.08	27	Clear, no odor
1248	1 11.91	2	8.28	15.1	1462	>1000	3.78	60	Turbid, brown, no odor
1254	2 12.10	4	7.98	14.6	1519	>1000	4.59	75	" "
1302	3 14.31	6	7.84	14.8	1514	682	3.11	80	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1308	S1 14.42	6	7.86	15.3	1522	680	3.16	60	" "
1320	S2 14.73	6	7.83	14.7	1573	671	3.42	71	" "

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS: MW-6 corresponds w/ Blind Dup - 1

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: EAS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: 1050 Niagara Street Site
Project No.: T0136-020-002
Client: Ellicott Development

Date: 6/12/22

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	1030	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	EDS	4.00 7.00 10.01	4.00 ~~6.99~~ 10.01	
☒ Turbidity meter	NTU	1035	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☐ 17110C062619 (Q) ☒	EDS	10 NTU verification < 0.4 20 100 800	9.18 – 19.1 98.4 761	Within limits
☒ Sp. Cond. meter	uS mS	1030	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☐ 6243003 ☐ 6223973 ☒	EDS	~~7001~~ mS @ 25 °C	~~7001~~	
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	1040	HACH Model HQ30d	080700023281 ☐ 100500041867 ☒ 140200100319 ☐	EDS	100% Satuartion	100% ~~89.9%~~ slope	
☐ Particulate meter	mg/m³					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: EDS **DATE:** 6/12/22

APPENDIX D

LABORATORY ANALYTICAL DATA REPORTS

ANALYTICAL REPORT

Lab Number:	L2201207
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	1050-1088 NIAGARA
Project Number:	T0136-020-002
Report Date:	01/24/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2201207-01	TMW-3	WATER	BUFFALO, NY	01/08/22 10:46	01/10/22
L2201207-02	MW-3	WATER	BUFFALO, NY	01/08/22 12:25	01/10/22
L2201207-03	MW-6	WATER	BUFFALO, NY	01/08/22 11:40	01/10/22

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2201207-02 and -02D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 01/24/22

ORGANICS

VOLATILES

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01
Client ID: TMW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 10:46
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/17/22 15:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01 Date Collected: 01/08/22 10:46

Client ID: TMW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds						
Total TIC Compounds	1.52	J	ug/l			1
Unknown	1.52	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	119		70-130

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02
Client ID: MW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 12:25
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/17/22 16:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	16		ug/l	0.50	0.16	1
Toluene	3.4		ug/l	2.5	0.70	1
Ethylbenzene	2.9		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA
Lab Number: L2201207
Project Number: T0136-020-002
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02
Client ID: MW-3
Sample Location: BUFFALO, NY
Date Collected: 01/08/22 12:25
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	5.5		ug/l	2.5	0.70	1
o-Xylene	2.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	55		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	280	E	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	130		ug/l	10	0.40	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02 Date Collected: 01/08/22 12:25

Client ID: MW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	557	J	ug/l			1
Unknown	31.2	J	ug/l			1
Cyclopentane	102	NJ	ug/l			1
Pentane	34.7	NJ	ug/l			1
Unknown	39.5	J	ug/l			1
Unknown	37.4	J	ug/l			1
Unknown	46.6	J	ug/l			1
Cyclopentane, Methyl-	153	NJ	ug/l			1
Unknown Aromatic	32.6	J	ug/l			1
Cyclohexene	41.4	NJ	ug/l			1
Butane, 2-Methyl-	38.7	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	85		70-130

Project Name: 1050-1088 NIAGARA
Lab Number: L2201207
Project Number: T0136-020-002
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02 D
Client ID: MW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 12:25
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/18/22 22:06
Analyst: KTD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Cyclohexane	280		ug/l	40	1.1	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03
Client ID: MW-6
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 11:40
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 01/17/22 15:25
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03 Date Collected: 01/08/22 11:40

Client ID: MW-6 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds						
Total TIC Compounds	1.41	J	ug/l			1
Unknown	1.41	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	121		70-130

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/22 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1594752-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/22 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1594752-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

Total TIC Compounds	2.71	J	ug/l
Sulfur Dioxide	2.71	NJ	ug/l

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/17/22 08:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1594752-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	117		70-130

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/22 20:12
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1595775-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/22 20:12
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1595775-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 01/18/22 20:12
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1595775-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	119		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1594752-3 WG1594752-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		95		63-132	3		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	91		93		63-130	2		20
1,1,2-Trichloroethane	84		89		70-130	6		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	95		95		67-130	0		20
trans-1,3-Dichloropropene	77		78		70-130	1		20
cis-1,3-Dichloropropene	85		88		70-130	3		20
Bromoform	78		83		54-136	6		20
1,1,2,2-Tetrachloroethane	82		88		67-130	7		20
Benzene	100		97		70-130	3		20
Toluene	98		95		70-130	3		20
Ethylbenzene	99		97		70-130	2		20
Chloromethane	130		120		64-130	8		20
Bromomethane	97		79		39-139	20		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1594752-3 WG1594752-4								
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	95		94		70-130	1		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	88		92		63-130	4		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	100		96		36-147	4		20
Acetone	90		95		58-148	5		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	91		96		63-138	5		20
4-Methyl-2-pentanone	84		88		59-130	5		20
2-Hexanone	88		94		57-130	7		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	86		90		70-130	5		20
1,2-Dibromo-3-chloropropane	74		80		41-144	8		20
Isopropylbenzene	96		94		70-130	2		20
1,2,3-Trichlorobenzene	88		93		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1594752-3 WG1594752-4								
1,2,4-Trichlorobenzene	88		90		70-130	2		20
Methyl Acetate	94		100		70-130	6		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	98		108		56-162	10		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	99		96		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	91		92		70-130
Dibromofluoromethane	109		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1595775-3 WG1595775-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	99		98		70-130	1		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	82		80		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	92		90		67-130	2		20
trans-1,3-Dichloropropene	75		72		70-130	4		20
cis-1,3-Dichloropropene	82		80		70-130	2		20
Bromoform	86		83		54-136	4		20
1,1,2,2-Tetrachloroethane	80		78		67-130	3		20
Benzene	95		93		70-130	2		20
Toluene	97		95		70-130	2		20
Ethylbenzene	97		95		70-130	2		20
Chloromethane	110		110		64-130	0		20
Bromomethane	65		68		39-139	5		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1595775-3 WG1595775-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		98		70-130	1		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	78		83		58-148	6		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	84		77		63-138	9		20
4-Methyl-2-pentanone	80		76		59-130	5		20
2-Hexanone	78		76		57-130	3		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	90		89		70-130	1		20
1,2-Dibromo-3-chloropropane	78		80		41-144	3		20
Isopropylbenzene	94		93		70-130	1		20
1,2,3-Trichlorobenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1595775-3 WG1595775-4								
1,2,4-Trichlorobenzene	93		92		70-130	1		20
Methyl Acetate	86		80		70-130	7		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	94		96		56-162	2		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	91		87		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	88		87		70-130
Dibromofluoromethane	111		112		70-130

SEMIVOLATILES

Project Name: 1050-1088 NIAGARA
Lab Number: L2201207
Project Number: T0136-020-002
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01
Client ID: TMW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 10:46
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/13/22 13:54
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	4.2		ug/l	3.0	1.5	1
Butyl benzyl phthalate	10.		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA
Lab Number: L2201207
Project Number: T0136-020-002
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01
Client ID: TMW-3
Sample Location: BUFFALO, NY
Date Collected: 01/08/22 10:46
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	49.		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01 Date Collected: 01/08/22 10:46

Client ID: TMW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	988	J	ug/l			1
Unknown	51.0	J	ug/l			1
Unknown	52.2	J	ug/l			1
Unknown Organic Acid	10.5	J	ug/l			1
Unknown	15.4	J	ug/l			1
Unknown	59.0	J	ug/l			1
Unknown Alcohol	28.7	J	ug/l			1
Unknown	9.34	J	ug/l			1
Unknown	14.5	J	ug/l			1
Unknown	586	J	ug/l			1
Unknown	20.0	J	ug/l			1
Unknown	11.2	J	ug/l			1
Unknown	17.5	J	ug/l			1
Unknown Organic Acid	36.5	J	ug/l			1
Unknown Organic Acid	50.1	J	ug/l			1
Unknown	9.64	J	ug/l			1
Unknown	16.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	63		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01
Client ID: TMW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 10:46
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/13/22 16:18
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.62		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.16		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.32		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.35		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.54		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.16		ug/l	0.10	0.01	1
Chrysene	0.49		ug/l	0.10	0.01	1
Acenaphthylene	0.10	J	ug/l	0.10	0.01	1
Anthracene	0.09	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.46		ug/l	0.10	0.01	1
Fluorene	0.08	J	ug/l	0.10	0.01	1
Phenanthrene	0.58		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.09	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.33		ug/l	0.10	0.01	1
Pyrene	0.54		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.19		ug/l	0.10	0.02	1
Pentachlorophenol	0.48	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-01 Date Collected: 01/08/22 10:46

Client ID: TMW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	66		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02
Client ID: MW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 12:25
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/13/22 14:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.9	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02 Date Collected: 01/08/22 12:25

Client ID: MW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	93.		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02 Date Collected: 01/08/22 12:25

Client ID: MW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	736	J	ug/l			1
Unknown	21.3	J	ug/l			1
Unknown Organic Acid	422	J	ug/l			1
Unknown Alcohol	11.3	J	ug/l			1
Unknown Organic Acid	22.9	J	ug/l			1
Unknown	13.6	J	ug/l			1
Unknown	14.0	J	ug/l			1
Unknown Organic Acid	20.6	J	ug/l			1
Unknown Benzene	11.7	J	ug/l			1
Unknown Benzene	21.6	J	ug/l			1
Unknown	20.2	J	ug/l			1
Unknown	32.0	J	ug/l			1
Benzene, Propyl-	19.5	NJ	ug/l			1
Unknown	12.9	J	ug/l			1
Unknown	20.5	J	ug/l			1
Indane	71.4	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	75		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02
Client ID: MW-3
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 12:25
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/13/22 16:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.71		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.09	J	ug/l	0.10	0.01	1
Phenanthrene	0.15		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.13		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-02 Date Collected: 01/08/22 12:25

Client ID: MW-3 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	81		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03
Client ID: MW-6
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 11:40
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 01/13/22 15:11
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03 Date Collected: 01/08/22 11:40

Client ID: MW-6 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1
Tentatively Identified Compounds						
Total TIC Compounds	13.8	J	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown Organic Acid	4.69	J	ug/l			1
Unknown Organic Acid	3.56	J	ug/l			1
Unknown Alkane	3.78	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	75		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03
Client ID: MW-6
Sample Location: BUFFALO, NY

Date Collected: 01/08/22 11:40
Date Received: 01/10/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 01/13/22 16:57
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.01	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA **Lab Number:** L2201207

Project Number: T0136-020-002 **Report Date:** 01/24/22

SAMPLE RESULTS

Lab ID: L2201207-03 Date Collected: 01/08/22 11:40

Client ID: MW-6 Date Received: 01/10/22

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	74		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/13/22 11:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1593101-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/13/22 11:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1593101-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	426	J	ug/l
Unknown Alcohol	22.2	J	ug/l
Unknown	26.2	J	ug/l
Unknown	30.8	J	ug/l
Unknown	35.9	J	ug/l
Unknown	20.9	J	ug/l
Unknown	23.7	J	ug/l

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 01/13/22 11:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1593101-1					
Tentatively Identified Compounds					
Unknown	25.3	J	ug/l		
Unknown	28.3	J	ug/l		
Unknown Alcohol	33.3	J	ug/l		
Unknown	22.9	J	ug/l		
Unknown	34.6	J	ug/l		
Unknown	36.6	J	ug/l		
Unknown	28.8	J	ug/l		
Unknown	26.1	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	76		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/13/22 12:32
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1593102-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.03	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.03	J	ug/l	0.10	0.01
Acenaphthylene	0.03	J	ug/l	0.10	0.01
Anthracene	0.02	J	ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	0.04	J	ug/l	0.10	0.01
Phenanthrene	0.06	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.03	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.01	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002
Lab Number: L2201207
Report Date: 01/24/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 01/13/22 12:32
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 01/12/22 08:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1593102-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1593101-2 WG1593101-3								
Bis(2-chloroethyl)ether	63		62		40-140	2		30
3,3'-Dichlorobenzidine	67		55		40-140	20		30
2,4-Dinitrotoluene	70		67		48-143	4		30
2,6-Dinitrotoluene	67		60		40-140	11		30
4-Chlorophenyl phenyl ether	64		63		40-140	2		30
4-Bromophenyl phenyl ether	67		63		40-140	6		30
Bis(2-chloroisopropyl)ether	59		56		40-140	5		30
Bis(2-chloroethoxy)methane	65		63		40-140	3		30
Hexachlorocyclopentadiene	56		55		40-140	2		30
Isophorone	65		63		40-140	3		30
Nitrobenzene	65		61		40-140	6		30
NDPA/DPA	74		70		40-140	6		30
n-Nitrosodi-n-propylamine	65		59		29-132	10		30
Bis(2-ethylhexyl)phthalate	88		83		40-140	6		30
Butyl benzyl phthalate	89		80		40-140	11		30
Di-n-butylphthalate	83		77		40-140	8		30
Di-n-octylphthalate	89		86		40-140	3		30
Diethyl phthalate	74		71		40-140	4		30
Dimethyl phthalate	65		60		40-140	8		30
Biphenyl	69		65		40-140	6		30
4-Chloroaniline	72		58		40-140	22		30
2-Nitroaniline	74		68		52-143	8		30
3-Nitroaniline	69		59		25-145	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1593101-2 WG1593101-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
4-Nitroaniline	76		73		51-143	4		30
Dibenzofuran	69		66		40-140	4		30
1,2,4,5-Tetrachlorobenzene	64		60		2-134	6		30
Acetophenone	70		66		39-129	6		30
2,4,6-Trichlorophenol	64		58		30-130	10		30
p-Chloro-m-cresol	85		72		23-97	17		30
2-Chlorophenol	74		65		27-123	13		30
2,4-Dichlorophenol	73		67		30-130	9		30
2,4-Dimethylphenol	72		49		30-130	**38**	Q	30
2-Nitrophenol	69		62		30-130	11		30
4-Nitrophenol	71		64		10-80	10		30
2,4-Dinitrophenol	50		59		20-130	17		30
4,6-Dinitro-o-cresol	62		58		20-164	7		30
Phenol	53		50		12-110	6		30
2-Methylphenol	74		69		30-130	7		30
3-Methylphenol/4-Methylphenol	77		67		30-130	14		30
2,4,5-Trichlorophenol	68		62		30-130	9		30
Carbazole	81		75		55-144	8		30
Atrazine	82		78		40-140	5		30
Benzaldehyde	68		62		40-140	9		30
Caprolactam	37		34		10-130	8		30
2,3,4,6-Tetrachlorophenol	70		67		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1593101-2 WG1593101-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		66		21-120
Phenol-d6	57		51		10-120
Nitrobenzene-d5	65		62		23-120
2-Fluorobiphenyl	63		55		15-120
2,4,6-Tribromophenol	81		78		10-120
4-Terphenyl-d14	79		74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1593102-2 WG1593102-3								
Acenaphthene	77		80		40-140	4		40
2-Chloronaphthalene	75		79		40-140	5		40
Fluoranthene	81		81		40-140	0		40
Hexachlorobutadiene	64		71		40-140	10		40
Naphthalene	68		75		40-140	10		40
Benzo(a)anthracene	82		82		40-140	0		40
Benzo(a)pyrene	77		77		40-140	0		40
Benzo(b)fluoranthene	84		84		40-140	0		40
Benzo(k)fluoranthene	81		80		40-140	1		40
Chrysene	76		76		40-140	0		40
Acenaphthylene	75		78		40-140	4		40
Anthracene	79		80		40-140	1		40
Benzo(ghi)perylene	88		87		40-140	1		40
Fluorene	81		84		40-140	4		40
Phenanthrene	77		78		40-140	1		40
Dibenzo(a,h)anthracene	92		91		40-140	1		40
Indeno(1,2,3-cd)pyrene	87		86		40-140	1		40
Pyrene	81		81		40-140	0		40
2-Methylnaphthalene	73		79		40-140	8		40
Pentachlorophenol	79		82		40-140	4		40
Hexachlorobenzene	77		79		40-140	3		40
Hexachloroethane	56		64		40-140	13		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA

Project Number: T0136-020-002

Lab Number: L2201207

Report Date: 01/24/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1593102-2 WG1593102-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		67		21-120
Phenol-d6	49		57		10-120
Nitrobenzene-d5	71		80		23-120
2-Fluorobiphenyl	72		77		15-120
2,4,6-Tribromophenol	66		83		10-120
4-Terphenyl-d14	80		81		41-149

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2201207-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-01D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2201207-01E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2201207-02A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-02B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-02C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-02D	Amber 250ml unpreserved	A	10	10	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2201207-02E	Amber 250ml unpreserved	A	10	10	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2201207-03A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-03B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-03C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2201207-03D	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2201207-03E	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	1050-1088 NIAGARA	**Lab Number:**	L2201207
Project Number:	T0136-020-002	**Report Date:**	01/24/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 1/11/22

ALPHA Job #: L2201207

Client Information
Client: TURNKEY
Address: 2558 HAMBURG TRPK
BUFFALO, NY 14218
Phone: 716-856-0599
Fax:
Email: nmunley@bm-hc.com

Project Information
Project Name: 1050-1088 NIAGARA
Project Location: BUFFALO, NY
Project # T0136-020-002
(Use Project name as Project #) ☐
Project Manager: NATE MUNLEY
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CAT B

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs	TCL SVOC + TICs	Sample Specific Comments	Total Bottle
2201207 -01	TMW-3	1/8/22	1046	AQUA	CS	X	X		5
-02	MW-3	↓	1225	↓	↓	X	X		5
-03	MW-6	↓	1140	↓	↓	X	X		5

Container Type: V A
Preservative: B A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Chad M Schoch	1/10/22 939	NAC	1/10/22 939
NAC	1/10/22 939		1/11/22 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2231260
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	1050-1088 NIAGARA STREET SITE
Project Number:	T0136-013-001
Report Date:	06/27/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231260-01	TMW-3	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 12:15	06/13/22
L2231260-02	MW-3	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 12:30	06/13/22
L2231260-03	MW-6	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 13:15	06/13/22
L2231260-04	BLIND DUP-1	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 00:00	06/13/22
L2231260-05	TRIP BLANK	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 00:00	06/13/22

Project Name:	1050-1088 NIAGARA STREET SITE	**Lab Number:**	L2231260
Project Number:	T0136-013-001	**Report Date:**	06/27/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	1050-1088 NIAGARA STREET SITE	**Lab Number:**	L2231260
Project Number:	T0136-013-001	**Report Date:**	06/27/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2231260-02 and -02D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

L2231260-02: The surrogate recovery is outside the acceptance criteria for 1,2-dichloroethane-d4 (131%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

The WG1652319-1 Method Blank, associated with L2231260-01 through -04, has TIC(s) detected. The results are qualified with a "B" for any associated samples that have detections of the same TIC(s).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 06/27/22

ORGANICS

VOLATILES

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01
Client ID: TMW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:15
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/21/22 15:25
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01 Date Collected: 06/12/22 12:15

Client ID: TMW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.44	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.66	J	ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02
Client ID: MW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:30
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/21/22 17:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	7.6		ug/l	0.50	0.16	1
Toluene	1.9	J	ug/l	2.5	0.70	1
Ethylbenzene	2.4	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02 Date Collected: 06/12/22 12:30

Client ID: MW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.9		ug/l	2.5	0.70	1
o-Xylene	1.7	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	51		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	280	E	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	160		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**131**	Q	70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	81		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02 D
Client ID: MW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:30
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/23/22 10:17
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Cyclohexane	230		ug/l	50	1.4	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03 Date Collected: 06/12/22 13:15
Client ID: MW-6 Date Received: 06/13/22
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/21/22 15:49
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03 Date Collected: 06/12/22 13:15

Client ID: MW-6 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04
Client ID: BLIND DUP-1
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 00:00
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/21/22 16:13
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04 Date Collected: 06/12/22 00:00

Client ID: BLIND DUP-1 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-05
Client ID: TRIP BLANK
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 00:00
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/21/22 16:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-05 Date Collected: 06/12/22 00:00

Client ID: TRIP BLANK Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1654981-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1654981-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1654981-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	110		70-130

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/21/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1655046-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/21/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1655046-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/21/22 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1655046-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1654981-3 WG1654981-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	96		98		63-130	2		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		120		67-130	9		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
Bromoform	88		92		54-136	4		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	87		91		64-130	4		20
Bromomethane	59		59		39-139	0		20
Vinyl chloride	95		99		55-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE

Project Number: T0136-013-001

Lab Number: L2231260

Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1654981-3 WG1654981-4								
Chloroethane	97		98		55-138	1		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	94		92		70-130	2		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	110		120		63-130	9		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	98		100		36-147	2		20
Acetone	110		110		58-148	0		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	91		100		63-138	9		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	97		110		57-130	13		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	87		100		41-144	14		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1654981-3 WG1654981-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	100		120		70-130	18		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	116		116		56-162	0		20
Freon-113	120		120		70-130	0		20
Methyl cyclohexane	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1655046-3 WG1655046-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	100		96		63-132	4		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	96		90		63-130	6		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	95		88		70-130	8		20
Chlorobenzene	100		96		75-130	4		20
Trichlorofluoromethane	98		95		62-150	3		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		98		67-130	2		20
trans-1,3-Dichloropropene	100		97		70-130	3		20
cis-1,3-Dichloropropene	100		94		70-130	6		20
Bromoform	88		84		54-136	5		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	110		100		70-130	10		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	74		72		64-130	3		20
Bromomethane	48		44		39-139	9		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1655046-3 WG1655046-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	100		97		70-130	3		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		94		70-130	6		20
Methyl tert butyl ether	100		97		63-130	3		20
p/m-Xylene	105		95		70-130	10		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	92		89		36-147	3		20
Acetone	120		100		58-148	18		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	100		99		63-138	1		20
4-Methyl-2-pentanone	98		94		59-130	4		20
2-Hexanone	100		97		57-130	3		20
Bromochloromethane	96		92		70-130	4		20
1,2-Dibromoethane	98		92		70-130	6		20
1,2-Dibromo-3-chloropropane	81		78		41-144	4		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	87		86		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE

Project Number: T0136-013-001

Lab Number: L2231260

Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1655046-3 WG1655046-4								
1,2,4-Trichlorobenzene	93		88		70-130	6		20
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	110		100		70-130	10		20
1,4-Dioxane	102		92		56-162	10		20
Freon-113	99		94		70-130	5		20
Methyl cyclohexane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	109		109		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01
Client ID: TMW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:15
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/22/22 09:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01 Date Collected: 06/12/22 12:15

Client ID: TMW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01 Date Collected: 06/12/22 12:15

Client ID: TMW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	126	J	ug/l			1
Unknown	15.5	JB	ug/l			1
Unknown	2.47	J	ug/l			1
Unknown	2.84	J	ug/l			1
Unknown	9.85	J	ug/l			1
Unknown Aldehyde	4.44	J	ug/l			1
Unknown Alkane	7.64	J	ug/l			1
Unknown Alkane	3.24	J	ug/l			1
Unknown Alkane	2.44	J	ug/l			1
Unknown Alkane	18.2	J	ug/l			1
Unknown Alkane	17.7	J	ug/l			1
Unknown Alkane	12.6	J	ug/l			1
Unknown Alkane	3.09	J	ug/l			1
Unknown Benzene	13.6	J	ug/l			1
Unknown Organic Acid	6.94	J	ug/l			1
Unknown Organic Acid	5.89	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	68		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01
Client ID: TMW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:15
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 17:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 15:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.44		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.10		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.22		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.24		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.34		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.09	J	ug/l	0.10	0.01	1
Chrysene	0.32		ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.10	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.30		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.38		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.20		ug/l	0.10	0.01	1
Pyrene	0.38		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-01 Date Collected: 06/12/22 12:15

Client ID: TMW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	75		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02
Client ID: MW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY
Date Collected: 06/12/22 12:30
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/22/22 09:45
Analyst: JG
Extraction Method: EPA 3510C
Extraction Date: 06/18/22 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	6.2		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02 Date Collected: 06/12/22 12:30

Client ID: MW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	1.7	J	ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02 Date Collected: 06/12/22 12:30

Client ID: MW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	318	J	ug/l			1
Benzene, Propyl-	16.5	NJ	ug/l			1
Caffeine	11.3	NJ	ug/l			1
Indane	69.1	NJ	ug/l			1
Unknown	22.5	JB	ug/l			1
Unknown	25.5	J	ug/l			1
Unknown	11.0	J	ug/l			1
Unknown	14.2	J	ug/l			1
Unknown	33.3	J	ug/l			1
Unknown	16.3	J	ug/l			1
Unknown Alkane	19.2	J	ug/l			1
Unknown Alkane	18.5	J	ug/l			1
Unknown Alkane	14.0	J	ug/l			1
Unknown Benzene	23.4	J	ug/l			1
Unknown Benzene	11.0	J	ug/l			1
Unknown Organic Acid	12.4	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	78		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02
Client ID: MW-3
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 12:30
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 18:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 15:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.19		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-02 Date Collected: 06/12/22 12:30

Client ID: MW-3 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	71		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03
Client ID: MW-6
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 13:15
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/22/22 10:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03 Date Collected: 06/12/22 13:15

Client ID: MW-6 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03 Date Collected: 06/12/22 13:15

Client ID: MW-6 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	131	J	ug/l			1
Unknown	3.42	J	ug/l			1
Unknown	4.58	J	ug/l			1
Unknown Alcohol	16.0	J	ug/l			1
Unknown Alkane	8.11	J	ug/l			1
Unknown	3.64	J	ug/l			1
Unknown Alkane	18.4	J	ug/l			1
Unknown	3.20	J	ug/l			1
Unknown	17.2	J	ug/l			1
Unknown Alkane	20.6	J	ug/l			1
Unknown Alkane	3.74	J	ug/l			1
Unknown Organic Acid	5.38	J	ug/l			1
Unknown Alkane	11.9	J	ug/l			1
Unknown	8.14	J	ug/l			1
Unknown Alkane	3.38	J	ug/l			1
Unknown	3.24	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	71		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03
Client ID: MW-6
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 13:15
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 18:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 15:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.53		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.56		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.17		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.15		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.27		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.10	0.01	1
Chrysene	0.20		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.14		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.18		ug/l	0.10	0.01	1
Fluorene	0.14		ug/l	0.10	0.01	1
Phenanthrene	0.44		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.16		ug/l	0.10	0.01	1
Pyrene	0.42		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.12	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-03 Date Collected: 06/12/22 13:15

Client ID: MW-6 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	66		41-149

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04
Client ID: BLIND DUP-1
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 00:00
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/22/22 10:33
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04 Date Collected: 06/12/22 00:00

Client ID: BLIND DUP-1 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04 Date Collected: 06/12/22 00:00

Client ID: BLIND DUP-1 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	105	J	ug/l			1
Unknown	17.6	JB	ug/l			1
Unknown	2.65	J	ug/l			1
Unknown	2.44	J	ug/l			1
Unknown	3.34	J	ug/l			1
Unknown	5.38	J	ug/l			1
Unknown Aldehyde	2.69	J	ug/l			1
Unknown Alkane	2.00	J	ug/l			1
Unknown Alkane	7.34	J	ug/l			1
Unknown Alkane	2.18	J	ug/l			1
Unknown Alkane	15.7	J	ug/l			1
Unknown Alkane	15.2	J	ug/l			1
Unknown Alkane	9.42	J	ug/l			1
Unknown Alkane	2.18	J	ug/l			1
Unknown Benzene	11.1	J	ug/l			1
Unknown Organic Acid	6.11	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	79		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Lab Number: L2231260
Project Number: T0136-013-001
Report Date: 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04
Client ID: BLIND DUP-1
Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY

Date Collected: 06/12/22 00:00
Date Received: 06/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 18:35
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 15:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 1050-1088 NIAGARA STREET SITE **Lab Number:** L2231260

Project Number: T0136-013-001 **Report Date:** 06/27/22

SAMPLE RESULTS

Lab ID: L2231260-04 Date Collected: 06/12/22 00:00

Client ID: BLIND DUP-1 Date Received: 06/13/22

Sample Location: 1050-1088 NIAGARA ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	66		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001
Lab Number: L2231260
Report Date: 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 12:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1651334-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.05	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001
Lab Number: L2231260
Report Date: 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/17/22 12:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/16/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1651334-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	95		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001
Lab Number: L2231260
Report Date: 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/22 13:41
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 03:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1652319-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001
Lab Number: L2231260
Report Date: 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/22 13:41
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 03:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1652319-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	1.6	J	ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	23.8	J	ug/l
Unknown	23.8	J	ug/l

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001
Lab Number: L2231260
Report Date: 06/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/22 13:41
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 06/18/22 03:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1652319-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	96		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1651334-2 WG1651334-3								
Acenaphthene	85		80		40-140	6		40
2-Chloronaphthalene	84		79		40-140	6		40
Fluoranthene	91		83		40-140	9		40
Hexachlorobutadiene	88		82		40-140	7		40
Naphthalene	86		81		40-140	6		40
Benzo(a)anthracene	88		83		40-140	6		40
Benzo(a)pyrene	93		84		40-140	10		40
Benzo(b)fluoranthene	99		89		40-140	11		40
Benzo(k)fluoranthene	99		95		40-140	4		40
Chrysene	90		83		40-140	8		40
Acenaphthylene	85		79		40-140	7		40
Anthracene	88		82		40-140	7		40
Benzo(ghi)perylene	100		92		40-140	8		40
Fluorene	90		85		40-140	6		40
Phenanthrene	87		82		40-140	6		40
Dibenzo(a,h)anthracene	104		95		40-140	9		40
Indeno(1,2,3-cd)pyrene	100		93		40-140	7		40
Pyrene	90		82		40-140	9		40
2-Methylnaphthalene	80		76		40-140	5		40
Pentachlorophenol	89		79		40-140	12		40
Hexachlorobenzene	84		79		40-140	6		40
Hexachloroethane	82		77		40-140	6		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1651334-2 WG1651334-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		67		21-120
Phenol-d6	54		53		10-120
Nitrobenzene-d5	86		81		23-120
2-Fluorobiphenyl	84		80		15-120
2,4,6-Tribromophenol	94		93		10-120
4-Terphenyl-d14	90		83		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE

Project Number: T0136-013-001

Lab Number: L2231260

Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1652319-2 WG1652319-3								
Bis(2-chloroethyl)ether	82		78		40-140	5		30
3,3'-Dichlorobenzidine	74		69		40-140	7		30
2,4-Dinitrotoluene	87		78		48-143	11		30
2,6-Dinitrotoluene	91		85		40-140	7		30
4-Chlorophenyl phenyl ether	87		80		40-140	8		30
4-Bromophenyl phenyl ether	87		80		40-140	8		30
Bis(2-chloroisopropyl)ether	83		75		40-140	10		30
Bis(2-chloroethoxy)methane	87		81		40-140	7		30
Hexachlorocyclopentadiene	84		82		40-140	2		30
Isophorone	81		72		40-140	12		30
Nitrobenzene	87		79		40-140	10		30
NDPA/DPA	90		80		40-140	12		30
n-Nitrosodi-n-propylamine	88		78		29-132	12		30
Bis(2-ethylhexyl)phthalate	103		92		40-140	11		30
Butyl benzyl phthalate	104		93		40-140	11		30
Di-n-butylphthalate	92		80		40-140	14		30
Di-n-octylphthalate	98		87		40-140	12		30
Diethyl phthalate	90		79		40-140	13		30
Dimethyl phthalate	89		80		40-140	11		30
Biphenyl	97		92		40-140	5		30
4-Chloroaniline	88		85		40-140	3		30
2-Nitroaniline	86		80		52-143	7		30
3-Nitroaniline	82		80		25-145	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE

Project Number: T0136-013-001

Lab Number: L2231260

Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1652319-2 WG1652319-3								
4-Nitroaniline	86		76		51-143	12		30
Dibenzofuran	85		78		40-140	9		30
1,2,4,5-Tetrachlorobenzene	101		93		2-134	8		30
Acetophenone	94		86		39-129	9		30
2,4,6-Trichlorophenol	90		83		30-130	8		30
p-Chloro-m-cresol	85		76		23-97	11		30
2-Chlorophenol	81		72		27-123	12		30
2,4-Dichlorophenol	87		80		30-130	8		30
2,4-Dimethylphenol	84		74		30-130	13		30
2-Nitrophenol	93		86		30-130	8		30
4-Nitrophenol	63		51		10-80	21		30
2,4-Dinitrophenol	88		68		20-130	26		30
4,6-Dinitro-o-cresol	91		80		20-164	13		30
Phenol	54		56		12-110	4		30
2-Methylphenol	78		66		30-130	17		30
3-Methylphenol/4-Methylphenol	72		67		30-130	7		30
2,4,5-Trichlorophenol	93		82		30-130	13		30
Carbazole	89		80		55-144	11		30
Atrazine	123		111		40-140	10		30
Benzaldehyde	111		104		40-140	7		30
Caprolactam	47		47		10-130	0		30
2,3,4,6-Tetrachlorophenol	93		79		40-140	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1652319-2 WG1652319-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		57		21-120
Phenol-d6	49		42		10-120
Nitrobenzene-d5	85		76		23-120
2-Fluorobiphenyl	82		74		15-120
2,4,6-Tribromophenol	101		85		10-120
4-Terphenyl-d14	88		79		41-149

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231260-01A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-01B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-01C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-01D	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-01E	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-02A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-02B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-02C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-02D	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-02E	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-03A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-03B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-03C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-03D	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-03E	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-04A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-04B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-04C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-04D	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-04E	Amber 250ml unpreserved	A	7	7	2.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2231260-05A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L2231260-05B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	1050-1088 NIAGARA STREET SITE	**Lab Number:**	L2231260
Project Number:	T0136-013-001	**Report Date:**	06/27/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	1050-1088 NIAGARA STREET SITE	**Lab Number:**	L2231260
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	1050-1088 NIAGARA STREET SITE	**Lab Number:**	L2231260
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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/14/22

ALPHA Job #: L2231260

Client Information

Client: Turnkey Env. Restoration
Address: 2558 Hamburg Tpke. Suite 300 Buffalo, NY
Phone: (716) 856-0599
Fax:
Email: nmunley@tm-tk.com

Project Information

Project Name: 1050 - 1088 Niagara Street Site
Project Location: 1050-1088 Niagara St., Buffalo, NY
Project #: TO136 - 013 - 005
(Use Project name as Project #)
Project Manager: Nate Munley
ALPHAQuote #:

Turn-Around Time

Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

CAT3

Please specify Metals or TAL.

Deliverables

- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Regulatory Requirement

- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information

- Same as Client Info

PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

ANALYSIS

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs	TCL SVOCs + TICs	Sample Specific Comments	Total Bottle
31260 -01	TMW-3	6-12-22	1215	Water	EAS	X	X		5
-02	MW-3	"	1230	"	"	X	X		5
-03	MW-6	"	1315	"	"	X	X		5
-04	Blind Dup-1	"	-	"	"	X	X		5
-05	Trip Blank	"	-	Water	"	X			2

Container Type: V A
Preservative: B A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/13/22 0670		6/13/22 16:35
	6/13/22 16:20		6/14/22 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

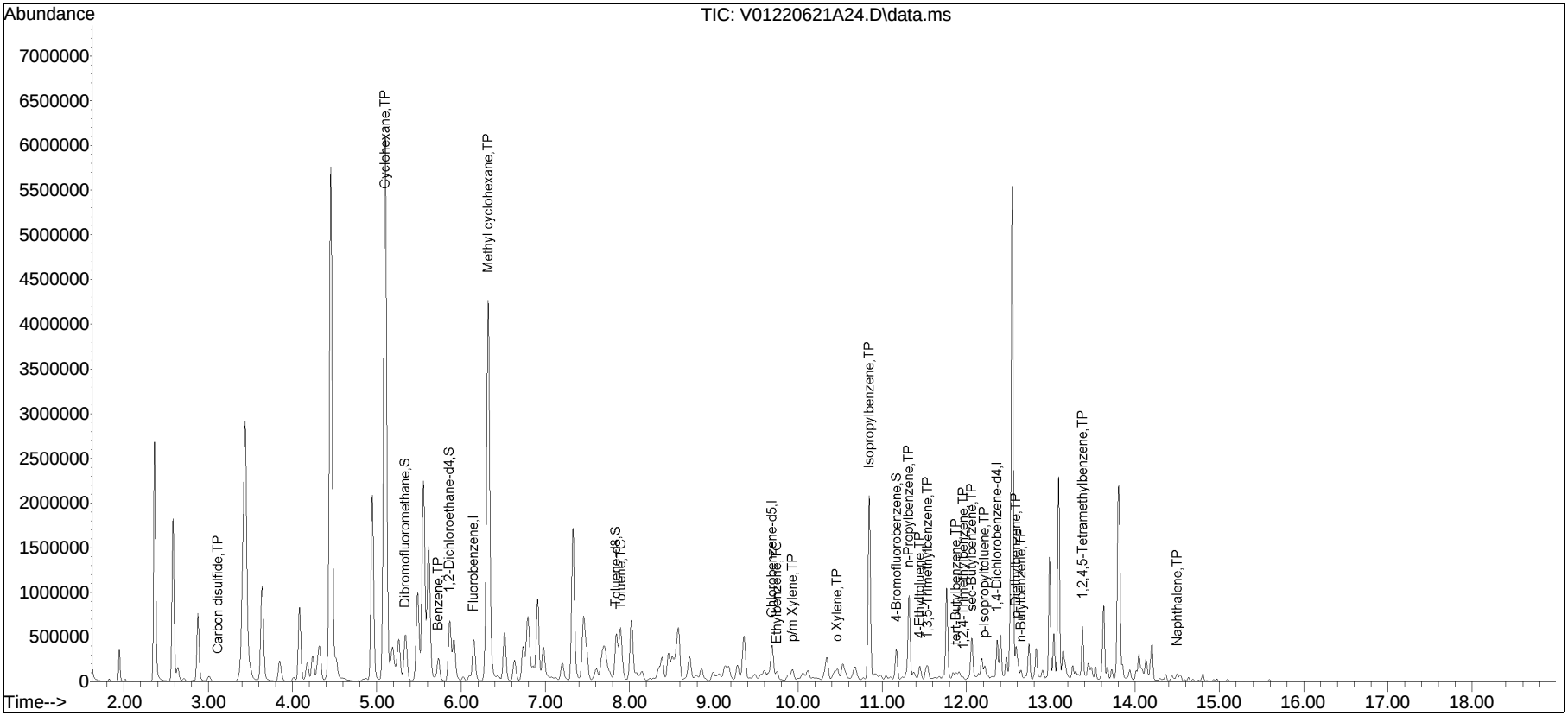
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\220621A\
Data File : V01220621A24.D
Acq On : 21 Jun 2022 5:01 pm
Operator : VOA101:LAC
Sample : L2231260-02,31,10,10,,A,PRI
Misc : WG1655046,ICAL19013
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 22 16:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\220621A\V101_220510N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 11 11:10:41 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20621A\V01220621A01.D•



APPENDIX E

DATA USABILITY REPORT

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

September 11, 2022

Chad Schuster
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: Validation of 1050-1088 Niagara Street Groundwater Sample Analytical Data
Data Usability Summary Report (DUSR)
Alpha Analytical SDG Nos. L2201207 and L2231260

Dear Mr. Schuster:

Review has been completed for the data packages generated by Alpha Analytical that pertain to samples collected 01/08/22 and 06/12/22 at the 1050-1088 Niagara Street site. Six aqueous samples and a field duplicate were processed for TCL volatile analytes and TCL semivolatile analytes. Tentatively Identified Compounds (TICs) and a trip blank were also processed. The analytical methodologies are those of the USEPA SW846.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents and the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate/Internal Standard Recoveries
* Method/Preparation Blanks
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, the results for the samples are usable either as reported or with minor qualification, with the exception that the results for 1,4-dioxane are rejected and not usable due to limitations of the methodology.

Data completeness, precision, representativeness, reproducibility, and comparability are acceptable. Matrix spikes were not submitted or processed, and the effect of the matrix on analyte recovery and precision has not been evaluated.

Validation data qualifier definitions and client sample identifications are attached to this text. The same sample identifications were used in the two events, and the specific samples are distinguished parenthetically in this report. Also included in this report is the laboratory EDD with recommended qualifiers/edits applied in red.

Blind Field Duplicate

The blind field duplicate evaluation was performed on MW-6 (June), and shows outlying correlations for the following semivolatile analytes, results for which are qualified as estimated in that parent sample and its field duplicate: benzo(b)fluoranthene, fluoranthene, naphthalene, chrysene, phenanthrene, and pyrene.

TCL and CP-51 Volatile Analyses by EPA 8260D

MW-3 exhibited a buffering effect in both events that resulted in elevated pHs. Those samples were therefore analyzed beyond the allowable holding time for inadequately or unpreserved samples. The results for MW-3 in both events have been qualified as estimated, with a low bias.

The results for 1,4-dioxane in the samples are rejected due to low response inherent in the methodology. Other calibration standards show responses within validation action levels, with the following exceptions, results for which are qualified as estimated in the indicated associated samples:

- trans-1,3-dichloropropene and bromoform (22%D and 23%D) in all samples reported in SDG L2201207
- bromomethane (51%D) in all samples reported with SDG L2231260

One of the surrogates in MW-3 (June) exhibited an elevated recovery. The results for that sample have already been qualified as estimated due to elevated pH, as discussed above.

Internal standard recoveries are within validation guidelines, and blanks show no contamination of target analytes.

The Tentatively Identified Compounds (TICs) reported in samples MW-6 (January) and TMW-3 (January) are removed from consideration as sample components due to presence in the associated method blank.

TCL Semivolatile Analyses by EPA8270E - Full Scan and SIM

The method blank associated with samples collected in January was contaminated with low level PAH concentrations and numerous TICs. Consequently, the following PAH detections in the samples collected in January have been edited to reflect non-detection:

- all PAH detections in MW-6
- all PAH detections except acenaphthene, naphthalene, dibenz(a,h)anthracene, and 2-methyl-naphthalene in MW-3
- acenaphthylene, anthracene, fluorene, and dibenz(a,h)anthracene in TMW-3

Similarly, the detections of bis(2-ethylhexyl)phthalate in those samples are edited to non-detection due to presence in that method blank. Additionally, the TICs detected in those samples collected in January that

are also detected in associated blank, and the detections of one of the TICs in the samples collected in June, have been removed from consideration as sample components.

This contamination of the January method blank was not noted in the laboratory case narrative, and the detections in the associated samples were not flagged with the "B" qualifier to alert the end user of the data.

Holding times were met. Surrogate and internal standard recoveries are compliant.

Calibration standards show responses within validation action levels, with the exception of the following, the results for which have been qualified as estimated in the indicated associated samples: n-nitrosodi-n-propylamine and isophorone (23%D and 27%D) in all samples reported in SDG L2231260.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Attachments: Validation Data Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Summaries

Project Name: 1050-1088 NIAGARA
Project Number: T0136-020-002

Lab Number: L2201207
Report Date: 01/24/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2201207-01	TMW-3	WATER	BUFFALO, NY	01/08/22 10:46	01/10/22
L2201207-02	MW-3	WATER	BUFFALO, NY	01/08/22 12:25	01/10/22
L2201207-03	MW-6	WATER	BUFFALO, NY	01/08/22 11:40	01/10/22

Project Name: 1050-1088 NIAGARA STREET SITE
Project Number: T0136-013-001

Lab Number: L2231260
Report Date: 06/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231260-01	TMW-3	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 12:15	06/13/22
L2231260-02	MW-3	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 12:30	06/13/22
L2231260-03	MW-6	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 13:15	06/13/22
L2231260-04	BLIND DUP-1	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 00:00	06/13/22
L2231260-05	TRIP BLANK	WATER	1050-1088 NIAGARA ST., BUFFALO, NY	06/12/22 00:00	06/13/22