PERIODIC REVIEW REPORT
For
November 1, 2019 Through October 31, 2020

BROWNFIELD CLEANUP PROGRAM

River Park Commons – Townhouses Site
(Currently referred to as the Erie Harbor Site)
205 – 405 Mt. Hope Avenue
Rochester, New York, 14620
NYSDEC Site #C828125

I. Introduction

A. Executive Summary

- Between the mid-1970s and 2009, the Site was developed with five apartment buildings. Prior to the mid-1970s, the Site was historically used as a warehouse, feeder canal for the Erie Canal, rail yards, a workshop, auto repair, car sales, a wagon shop, iron cutting, a brick storage yard, a tannery, and a coal yard. In 2009, the apartment buildings were demolished. Subsequently, the Site was redeveloped with nine new restricted residential buildings (one apartment building, seven townhouse buildings, and one community building).

- Types of contamination at the Site that were identified to require remediation included:
  - Polychlorinated biphenyls (PCB) at some transformer locations;
  - Polyaromatic hydrocarbon (PAH) semi-volatile organic compounds (SVOCs) in topsoil across the Site;
  - PAH SVOCs in an area of subsurface fill material on the central portion of the Site;
  - Petroleum-related volatile organic compounds (VOCs) and SVOCs in subsurface soil and groundwater on the southeastern portion of the Site; and
  - VOCs trichloroethene (TCE) and dichlorodifluoromethane in groundwater and soil gas on the central portion of the Site.

- Remedial actions were performed at the Site in accordance with a New York State Department of Environmental Conservation (NYSDEC)-approved Interim Remedial Measure Work Plan (IRM Work Plan) and a NYSDEC-approved Remedial Work Plan (RWP). Remedial actions taken included:
  - Removal of PCB transformers and PCB-contaminated building materials and soil.
  - Removal of contaminated topsoil across the Site;
  - Removal of areas of contaminated subsurface soil and fill;
  - Supplemental in-situ remediation of a subsurface petroleum-contaminated area;

- Off-site disposal of excess soil and urban fill;
- Execution and recording of an Environmental Easement;
- Development and implementation of a Site Management Plan (SMP); and
- Design, installation, operation and monitoring of engineering controls (sub-slab depressurization systems or SSDS) on new Buildings #3 and #4.

B. Effectiveness of the Remedial Program

1. Progress made during the reporting period toward meeting the remedial objectives for the Site included: continued operation and monitoring of the SSDS located in Buildings #3 and #4; and continued groundwater monitoring.
2. The work completed to date shows that the remedial program has the ability to achieve the remedial objectives for the Site.

C. Compliance

1. There are no areas of non-compliance with the SMP as modified with NYSDEC approval.
2. As such, no steps were needed to correct areas of non-compliance.

D. Recommendations

1. No changes to the SMP are required at this time. However, the following was discussed during a March 9, 2019 meeting with the NYSDEC:
   a. Subsequent to review of the 2020 groundwater monitoring results (submitted to NYSDEC on October 21, 2020 and also included in this report), the NYSDEC will determine if groundwater monitoring can be discontinued and the wells be decommissioned, or if further groundwater monitoring is required (including number of wells, frequency, etc.).
2. As agreed during the March 9, 2019 meeting, the NYSDEC will review the cumulative data and will determine if the frequency of Periodic Review Report (PRR) submittals can be decreased or discontinued. Unless otherwise directed by the NYSDEC, PRRs will continue to be submitted annually.
3. Since residual contamination remains on the Site, it is recommended that site management requirements be continued.

II. Site Overview

A. The site is an approximately 6.016-acre area bounded by a residential apartment building to the north, City of Rochester parkland to the south, Mt. Hope Avenue with mixed residential and commercial properties beyond to the east, and City of Rochester parkland with the Genesee River beyond to the west (see Figure 1 in Attachment A). The Site has been redeveloped with an apartment building, seven townhouse buildings, a community center, and other associated site improvements (e.g., sidewalks, parking lots, landscaping, etc.).

Prior to remediation, contamination at the Site consisted of the following:

- Four PCB-transformer areas, including PCB-impacted building materials and soil beneath some of the transformers.

- An approximate 0.5-foot thick layer of surface soil (i.e., topsoil) on green areas totaling over approximately 81,000 square feet across the Site.
- Subsurface petroleum-contaminated soil over an approximate 3,100 square foot area located on the southeast portion of the Site. An abandoned underground storage tank was also present in this area.
- Subsurface fill material containing PAH SVOCs over an approximate 1,900 square foot area located on the central portion of the Site.
- Soil vapor and groundwater containing chlorinated VOCs over an approximate 44,000 square foot area on the central portion of the Site.

B. Chronology

The site was remediated in accordance with the NYSDEC approved IRM Work Plan dated January 27, 2009, the NYSDEC-approved RWP dated March 2009, and an Addendum to the March 2009 RWP dated July 30, 2009. A chronology of the Remedial Actions performed at the Site is summarized below:

- Between May 2009 and March 2010, the PCB transformers, their contents, and PCB-contaminated building material and soil were removed and disposed off-site.
- Between May 2009 and March 2010, surface soil (topsoil) was removed and disposed off-site.
- In March 2010, the area of subsurface fill impacted with PAH SVOCs on the central portion of the Site was removed and disposed off-site.
- In March 2010, the area of subsurface petroleum-impacted soil and the abandoned underground storage tank on the southeast portion of the Site were removed and disposed off-site. In addition, chemical oxidation and bioremediation products were placed in the excavation prior to backfilling.
- In May 2010, in-situ chemical oxidation and bioremediation products were injected at select vertical borings located in proximity to, and outside the limits of, the former subsurface petroleum-impacted soil excavation located on the southeast portion of the Site.
- In August 2010, a SMP was finalized and approved by the NYSDEC for long term management of remaining contamination, which includes plans for: (1) institutional and engineering controls, (2) site monitoring, (3) operation and maintenance and (4) reporting. [Note: In February 2018, a revised version of the SMP was submitted to the NYSDEC to incorporate the installation of SSDS at Buildings #3 and #4; modifications to the monitoring well field and groundwater monitoring program, and a laboratory name change].
- In September 2010, an Environmental Easement was executed and recorded to restrict land use and prevent future exposure to contamination remaining at the Site.
- Between February 2011 and April 2012, SSDS engineering controls for new Buildings #3 and #4 on the central portion of the Site were designed, installed, started up, put into continuous operation, and underwent initial monitoring. The SSDS engineering controls continue to operate.

Cleanup goals for groundwater are NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Standards and Guidance Values.

Cleanup or on-site re-use goals for soil are NYSDEC Part 375 Track 2 Restricted Residential Use Soil Cleanup Objectives (SCOs) and Protection of Groundwater SCOs.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. Effectiveness of Remedies

As documented in the Final Engineering Report (FER) dated September 2010, soil and fill removals and the chemical oxidation and bioremediation were effective at remediating soil and fill to levels that meet applicable SCOs, and significantly reducing VOC concentrations in groundwater.

The results of an August/September 2020 groundwater monitoring event continue to show that VOC concentrations in groundwater remain low with respect to pre-remediation concentrations. Documentation concerning the above-referenced groundwater monitoring event is included as a Data Package in Attachment A. The Data Package includes figures, cumulative data tables, and an ASP Category B laboratory report.

- As shown on tables included in the Data Package, VOC concentrations have decreased with respect to pre-remediation concentrations. VOC concentrations continue to be highest on the southeast portion of the Site (i.e., area of former well DAYMW-09/existing well DAYMW-09A). This area was historically part of a gasoline/service station where remedial actions included the removal of subsurface petroleum-impacted soil and an abandoned underground storage tank followed by placement of chemical oxidation and bioremediation products into the soil removal excavation prior to backfilling. The groundwater data also show that detectable concentrations of Trichloroethene (TCE) remain on the central portion of the Site (e.g., existing wells DAYMW-05A and DAYMW-10). The TCE in the groundwater samples on this portion of the Site may be attributable to an off-site source.

It is anticipated that the contaminant concentrations in groundwater at the Site will continue to decrease as a result of natural attenuation.

SSDS engineering controls were installed on new Buildings #3 and #4. SSDS monitoring and an inspection was completed in August 2020, and is documented on a Site-Wide Inspection Form included in Attachment B. As shown, the monitoring demonstrates that the SSDS on Buildings #3 and #4 continue to create negative SSDS pressure relative to the interior air pressure of the two buildings.

Based on the performance monitoring to date, the remedy is shown to be effective at achieving the remedial goals for this Track 4 Site.

IV. IC/EC Compliance Report

A. IC/EC Requirements/Compliance

1. A description of each control, its objective, and how performance of the control is evaluated is provided below:

   - Site Management Plan: The objective of the SMP is to manage remaining contamination above regulatory criteria in a manner that is protective of human health and the environment. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Site Monitoring Plan, and an Operation and Maintenance Plan. The performance of the controls is evaluated through monitoring and periodic certification. Controls on the Site include:

     - Management of soil and historic fill material during future activities that would penetrate, encounter, or disturb remaining contamination needs to be conducted in accordance with provisions of the SMP, including the Excavation Work Plan (EWP);
     - A requirement for evaluating the need to address the potential for soil vapor intrusion on new structures, and designing and implementing engineering controls for those structures to address soil vapor intrusion, if deemed warranted;
     - Requirements for operation, maintenance and monitoring of the engineering controls (e.g., SSDS on new Buildings #3 and #4);
     - Requirements for inspections and notifications for various reasons associated with Site conditions, change in use, change in ownership, etc.
     - Requirements for Monitored Natural Attenuation groundwater sampling and analysis.

   - Environmental Easement: Restricts use of property; restricts use of groundwater; requires implementation of the SMP; prohibits vegetable gardens and farming; requires evaluation of soil vapor intrusion on new buildings, and mitigation, if needed on a portion of the Site; requires operating, maintaining and inspecting any engineering controls; requires groundwater and other environmental and public health monitoring; requires monitoring, maintaining and replacing groundwater wells as necessary as set forth in the SMP; requires reporting of SMP data and information; requires implementation of the SMP for activities that would disturb remaining contaminated media; and requires monitoring to assess the performance and effectiveness of the remedy. The performance of each control is evaluated through periodic certification.

2. Status

   Each control is fully in place, is being adhered to, and is effective.

3. Corrective Measures

   None Required.

4. Conclusions and Recommendations for Changes

The controls are effective at protecting human health and the environment from, and proper management of, residual contaminants at the Site. No changes are recommended at this time.

B. Certification

Certification included as Attachment C.

V. Monitoring Plan Compliance Report

A. Components

- Groundwater Monitoring Plan: The SMP (revised February 27, 2018) identifies annual groundwater monitoring for the Site using the current field of five groundwater monitoring wells (i.e., MW-05, DAYMW-05A, DAYMW-08, DAYMW-09A and DAYMW-10). The groundwater monitoring frequency and scope can be modified with NYSDEC approval. During a March 9, 2019 meeting with the NYSDEC, it was agreed that groundwater monitoring for VOCs from these five monitoring wells would be conducted annually in 2019 and 2020. It was also agreed that subsequent to receipt and review of the 2020 groundwater monitoring results, NYSDEC would determine if groundwater monitoring can be discontinued and the wells be decommissioned, or if further groundwater monitoring is required (including number of wells, frequency, etc.). This plan also covers monitoring well repairs, replacement, and decommissioning.
- Excavation Work Plan: An Excavation Work Plan (EWP) is included as part of the SMP for management of soil and historic fill material that may contain residual contamination at the Site.
- Site-Wide Inspection: Site-wide inspections are required at least yearly and also after severe weather conditions that may affect engineering controls or monitoring devices.

B. Summary of Monitoring Completed

- Groundwater Monitoring Plan: During the reporting period, a groundwater monitoring event was completed in August/September 2020. A copy of the Data Package for this groundwater monitoring event is included in Attachment A.
- Excavation Work Plan: No activities were performed during the reporting period in relation to requirements of the EWP.
- Site-Wide Inspection: An annual site-wide inspection was completed in August 2020. A copy of the corresponding Site-Wide Inspection Form is included in Attachment B.

C. Comparison with Remedial Objectives

- Groundwater Monitoring Plan: The results of the groundwater monitoring completed in August/September 2020 show contaminant concentrations at monitoring wells are steady state or continue to generally decrease, with a couple exceedances of NYSDEC TOGS 1.1.1 groundwater standards or

guidance values. In addition, previous remedial actions have resulted in significantly lower post-remediation concentrations on the southeast portion of the site (i.e., area represented by well DAYMW-09A).

- Excavation Work Plan: Not applicable since no activities were performed during the reporting period in relation to requirements of the EWP.
- Site-Wide Inspection: As a result of the site-wide inspection, the wells were confirmed in good condition, and the SSDS in Building #3 and #4 were documented as maintained and operating with adequate sub-slab negative pressures.

D. Monitoring Deficiencies

There are no monitoring deficiencies.

E. Conclusions and Recommendations for Changes

- Groundwater Monitoring Plan: The groundwater monitoring completed during the reporting period shows contaminant concentrations at monitoring wells are steady state or continue to generally decrease, with a couple exceedances of NYSDEC TOGS 1.1.1 groundwater standards or guidance values, which are controlled by engineering controls and/or institutional controls. Based on the cumulative groundwater monitoring results that show asymptotic conditions, it is recommended that the groundwater monitoring be discontinued and that the wells be decommissioned. As discussed during the March 9, 2019 meeting with the NYSDEC, it is requested that the NYSDEC review the cumulative groundwater monitoring results and determine whether it concurs with this recommendation, or whether further groundwater monitoring is required (including number of wells, frequency, etc.).
- Excavation Work Plan: No changes to the EWP are recommended.
- Site-Wide Inspection: The site-wide inspection was successful in documenting the condition of the existing monitoring wells and satisfactory performance of the SSDS on Buildings #3 and #4. It is recommended that the NYSDEC consider reducing the frequency of site-wide inspections; however, site-wide inspections will continue to be conducted on an annual basis unless instructed otherwise by the NYSDEC.

VI. Operation & Maintenance (O&M) Plan Compliance Report

A. Components of O&M Plan: Components include evaluation of the need for a soil vapor intrusion system on future buildings to be constructed on the central portion of the Site. No new buildings were proposed or constructed during the reporting period. As previously identified in this PRR, Buildings #3 and #4 are equipped with SSDS, and routine monitoring is conducted as part of the annual site-wide inspection. In addition, non-routine reporting and maintenance reports can be prepared, when deemed necessary.

B. O&M Completed During the Reporting Period: The alarm systems were tested and sub-slab vacuum monitoring points were monitored for the SSDS at Buildings #3 and #4.

C. Evaluation of Remedial Systems: Based on O&M activities completed, the SSDS on new Buildings #3 and #4 are performing as designed/expected.

D. O&M Deficiencies: No deficiencies were identified in complying with the O&M plan during the PRR reporting period.

E. Conclusions and Recommendations for Improvements: O&M monitoring and maintenance were completed successfully in accordance with the SMP. No problems with SSDS were identified, and no improvements requiring changes to the O&M Plan are suggested.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

1. The requirements of the following plans were met during the reporting period:
   - IC/EC requirements.
   - Monitoring Plan requirements.
   - O&M requirements.
2. Identify any requirements not met: Not applicable.
3. Identify any proposed plans and a schedule for coming into full compliance: Not applicable.

B. Performance and Effectiveness of Remedy: An evaluation of the components of the SMP during this reporting period indicated that: the IC/EC controls were protective of human health and the environment; the monitoring plan sufficiently monitored the performance of the remedy; the O&M Plan is sufficiently maintaining the SSDS installed in Buildings #3 and #4; and the remedial program is achieving the remedial objectives for the Site.

C. Future PRR submittals:

1. PRRs will continue to be submitted annually. However, it is requested that the NYSDEC will determine if the frequency of PRR submittals can be decreased or discontinued for the following reasons:
   - Post-redevelopment monitoring of groundwater quality has shown contaminant reductions and/or asymptotic/steady-state conditions.
   - The redevelopment is complete and little or no excavation work greater than two feet in depth is anticipated.
2. Since residual contaminants remain at the Site, it is recommended that related aspects of the SMP (as modified with NYSDEC approval) continue to be implemented at this Site.

Attachment A

Groundwater Data Package

DATA PACKAGE

AUGUST/SEPTEMBER 2020 GROUNDWATER MONITORING EVENT

ERIE HARBOR SITE
(FORMERLY RIVER PARK COMMONS - TOWNHOUSES)
205-405 MT. HOPE AVENUE, ROCHESTER, NEW YORK

NYSDEC SITE #C828125

Prepared For: Erie Harbor, LLC
1000 University Avenue, Suite 500
Rochester, New York 14607

Prepared By: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

Project No.: 4155R-09

Date: October 2020

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1.0 DATA PACKAGE SUMMARY

The subject property is located at 205-405 Mt. Hope Avenue, City of Rochester, County of Monroe, New York (Site). A Project Locus Map is included as Figure 1. This Site consists of approximately 6.016 acres that is improved with eight residential apartment and townhouse buildings, one clubhouse building, and associated improvements (e.g., utilities, asphalt-paved parking lots, concrete sidewalks, and green areas).

In accordance with provisions of a Site Management Plan (SMP) dated August 2010, and as modified and approved by the NYSDEC in a meeting on March 1, 2019, a groundwater monitoring event was completed between August 27, 2020 and September 10, 2020 using on-site monitoring wells MW-5, DAYMW-05A, DAYMW-08, DAYMW-09A and DAYMW-10. Static water level measurements collected from these wells on August 27, 2020 were used to calculate groundwater elevations, and this information is summarized on Table 1. A Potentiometric Groundwater Contour Map for August 27, 2020, which also shows the locations of the five on-site wells, is included as Figure 2. On August 27, 2020, a passive diffusion bag sampler (PDB) filled with deionized water from the laboratory was deployed at each of the five wells. The center point of PDBs installed at MW-5, DAYMW-05A, DAYMW-08, DAYMW-09A and DAYMW-10 were set at depths of 12.0 ft., 13.0 ft., 14.0 ft., 15.0 ft., and 14.0 ft., respectively. The PDBs were retrieved from each well on September 10, 2020, and laboratory samples were collected from each PDB.

The groundwater samples were delivered under chain-of-custody control to ALS Environmental (ALS) located in Rochester, New York. ALS is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory.

The following testing program was completed by ALS on the field samples:

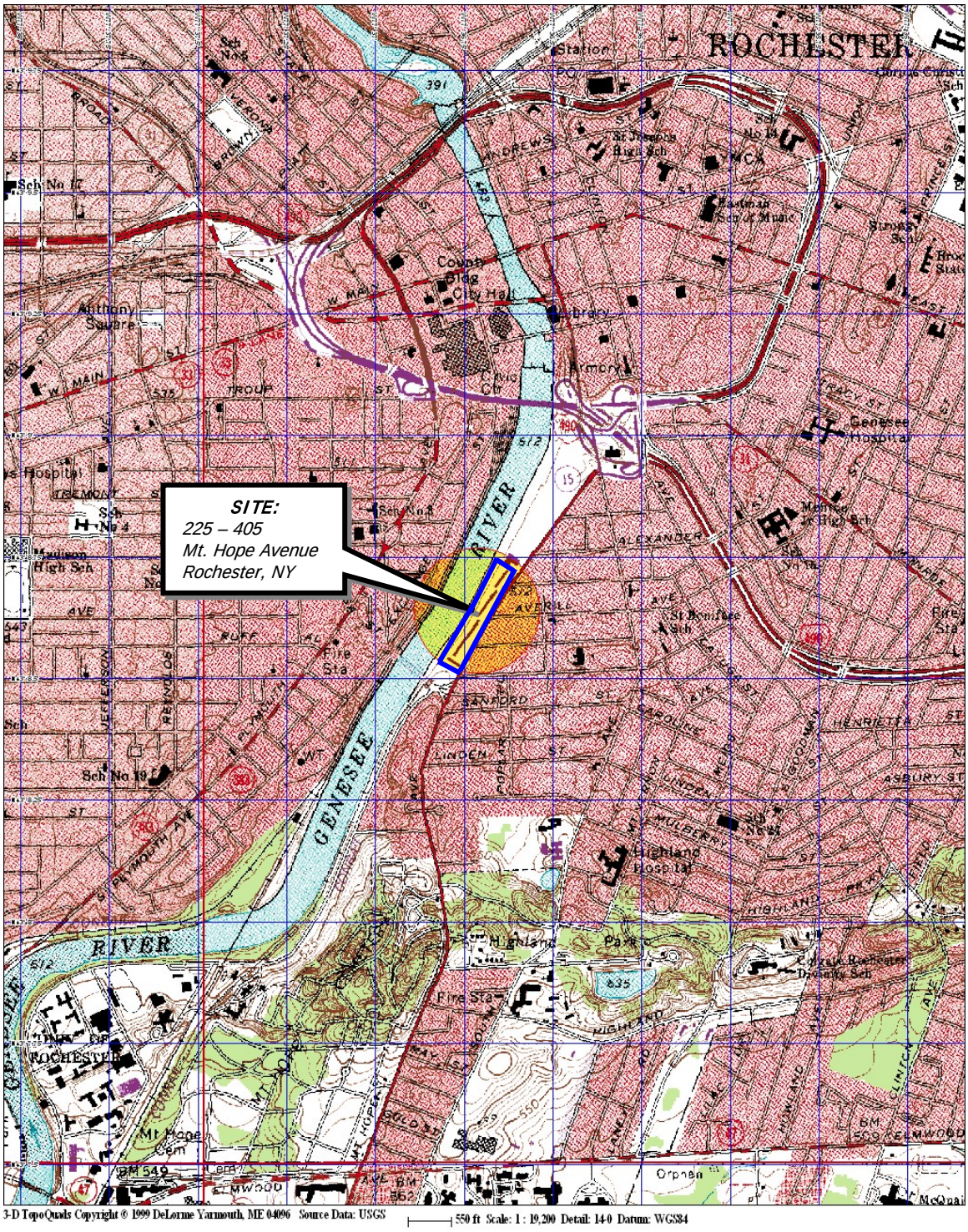
- Samples 153-MW-05, 154-DAYMW-05A, 155-DAYMW-08, 156-DAYMW-09A, and 157-DAYMW-10 and were analyzed for target compound list (TCL) volatile organic compounds (VOCs) and tentatively identified compounds (TICs) using Method 8260.

The following quality assurance/quality control (QA/QC) testing program was completed by ALS:

- A matrix spike/matrix spike duplicate (MS/MSD) was performed on sample 157-DAYMW-10 for TCL VOCs and TICs using Method 8260.
- Field Blank (equipment rinsate) Sample 158-FB091020 was analyzed for TCL VOCs and TICs using Method 8260.
- Trip Blank Sample 159-TB091020 was analyzed for TCL VOCs and TICs using Method 8260.

The ALS laboratory report is included in Attachment A. Category B deliverables of this report are available upon request. Table 2 provides a summary of cumulative detected TCL VOCs and TICs results for groundwater samples. Table 2 also includes available groundwater standards and guidance values referenced in the NYSDEC document titled "Technical and Operational Guidance Series (TOGS 1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" dated June 1998, as amended by supplemental tables dated April 2000 and June 2004.

FIGURES



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps Rochester East (NY) 1995 and Rochester West (NY) 1995. Site Lat/Long: N43d-8.65' – W77d-36.70'

DATE **01-19-2009** DRAWN BY **CPS** SCALE **1" = 2000'**	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14623-2700	PROJECT TITLE **225 - 405 MT. HOPE AVENUE** **ROCHESTER, NY** **BROWNFIELD CLEANUP PROGRAM** DRAWING TITLE **PROJECT LOCUS MAP**	PROJECT NO. **4155R-09** **FIGURE 1**

Legend

- Monitoring well with groundwater elevation measured on August 27, 2020
- Groundwater contour
- Inferred groundwater flow
- Property Line

N

BUILDING #1 MIDRISE
BUILDING #2
BUILDING #3
BUILDING #4
BUILDING #5
BUILDING #6
BUILDING #7
BUILDING #8
#9

505.5
505
504.5
504
503.5
503

DAYMW-10 502.86 ft
MW-05 504.88 ft
DAYMW-08 505.52 ft
DAYMW-05A 503.17 ft
DAYMW-09A 503.42 ft

MT. HOPE AVENUE
AVERILL AVE
HAMILTON ST

NOTES:

Site plan generated from GIS Data provided by the City of Rochester, Dated 2008.

Building plan provided by Passero Associates entitled"Overall Plan," dated June 2009, revised through May 2, 2010

Monitoring well locations tape-measured in the field in relation to existing site structures and should be considered accurate to the degree implied by the method used.

0 50 100 200 Feet

PROJECT MANAGER	JAD
DRAWN BY	CPS
SCALE	AS NOTED
DATE	10-2020
DATE DRAWN	10-2020
DATE ISSUED	10-19-2020

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

Project Title
205-405 MT HOPE AVENUE
ROCHESTER, NEW YORK

BROWNFIELD CLEANUP PROGRAM

Drawing Title
Potentiometric Groundwater Contour Map for August 27, 2020

Project No.
4155R-09

FIGURE 2

Last Date Saved: 19 Oct 2020 Document Path: E:\GIS Mapping\Erie Harbor\4155R-09\Erie Hab4155R-35 - Groundwater (08-27-2020.mxd

TABLES

Table 1

Erie Harbor Site
(Former River Park Commons - Townhouses)
205-405 Mt. Hope Avenue, Rochester, New York

Groundwater Elevation Data for August 27, 2020

Well ID	Elevation of PVC Well Casing (FT)	Static Water Level (SWL) Measurement (FT)	Groundwater Elevation (FT)
MW-05	512.22	7.34	504.88
DAYMW-05A	513.14	9.97	503.17
DAYMW-08	513.00	7.48	505.52
DAYMW-09A	514.62	11.20	503.42
DAYMW-10	513.89	11.03	502.86

Note: The oil/water interface probe did not detect light non-aqueous phase liquid (LNAPL) at the well locations during collection of static water level measurements

Table 2
Erie Harbor Site (Former River Park Commons - Townhouses)
NYSDEC Site #C828125

Cumulative Detected VOCs in ug/l or Parts Per Billion (ppb)

Groundwater Samples from Select Monitoring Wells

Detected Compound	Groundwater Standard or Guidance Value (1)	039 DAYMW-03 09/08/06	061 DAYMW-03 04/05/07	101 DAYMW-10 07/12/12	114 DAYMW-10 03/15/13	122 DAYMW-10 09/24/13	129 DAYMW-10 04/21/16	135 DAYMW-10 06/07/17	143 DAYMW-10 08/16/18	150 DAYMW-10 09/05/19	**157 DAYMW-10 09/10/20**	032 MW-URS1 09/05/06	067 MW-URS1 04/02/07	099 DAYMW-09 07/26/10	104 DAYMW-09A 07/12/12	110 DAYMW-09A 03/14/13	121 DAYMW-09A 09/24/13	128 DAYMW-09A 04/21/16	133 DAYMW-09A 06/07/17	142 DAYMW-09A 08/16/18	149 DAYMW-09A 09/05/19	**156 DAYMW-09A 09/10/20**	105 MW-207 07/12/12
Dichlorodifluoromethane	5	U	U	**7.9**	**7.6**	**6.3**	U	2.11	0.69 J	0.57 J	0.83 J	U	U	**27**	**9.8**	**5.6**	U	U	U	U	U	U	U
Acetone	50	U	U	U	U	U	U	U	U	16 B	U	U	U	**130**	**210**	**91**	17	U	U	U	12 B	U	U
Methyl tert-Butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	4.1 J	5.6	U	U	U	U	U	U	U	U
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	21	38	15	U	U	2.63	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	130 D	170 D	5 J	39	42	35	63	47.7	U	3.2 J	8.9 J	11
Benzene	1	U	U	U	U	U	U	U	U	U	U	**13**	**12**	**4.2** J	**7.3**	**3.4** J	**2.5** J	**1.2** J	**1.43**	**1.7**	0.73 J	**1.4** J	**17**
Trichloroethene	5	3 J	U	**20**	**13**	**14**	**11** B	**12.8**	**6.5**	**10**	**12**	U	U	U	U	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	100 D	200	U	2.8 J	5.9	4.1 J	5.8	U	U	0.23 J	0.40 J	U
4-Methyl-2-pentanone	NA	U	U	U	U	U	U	U	U	0.31 J	U	U	U	U	2.2 J	U	U	U	U	U	0.28 J	0.24 JB	U
Toluene	5	U	U	U	U	U	U	U	U	U	U	**7**	**8** J	**7.2** J	**15**	**11**	**6**	1.5 J	2.99	0.65 J	0.36 J	0.74 JB	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	**64**	**190**	**7** J	**63**	**53**	**61**	**71**	**111** D	**57**	**8.4**	**8.9**	**63**
Xylene (Total)	5	U	U	U	U	U	U	U	U	U	U	**330**	**530** D	**28** J	**199**	**192**	**161**	**40**	**161**	3.6	0.21 J	0.96 J	U
Isopropylbenzene	5	U	U	U	U	U	U	U	U	U	U	**38**	**36**	U	4.4 J	4.2 J	**5.4**	3.6 J	4.38	2	0.55 J	1.6 J	3.4 J
Styrene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.43 J	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	U	U	NT	U	U	U	U	U	U	U	**43.2**	**12**	6.4 NJ	NT	U
1,2,4-Trimethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	**25.8**	**7.6**	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.25 J	U	U	U
n-Propylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.85 J	U	0.81 J	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
TOTAL TCL VOCS	NA	3	U	27.9	20.6	20.3	11	14.91	7.19	26.88	12.83	682	1146	233.5	596.1	423.1	292.0	186.1	400.56	85.65	32.36	23.95	83.4
TOTAL TICS	NA	U	U	U	U	U	U	U	U	6.0 NJ	U	2904 NJ	3415 NJ	35.2 NJ	234.6 NJ	314.1 NJ	262.2 NJ	146.4 NJ	88.5	35 J	5.5 NJ	U	79.1 NJ
TOTAL VOCS AND TICS	NA	3	U	27.9	20.6	20.3	11	14.91	7.19	32.88	12.83	3586	4561	268.7	830.7	737.2	554.2	332.5	489.06	120.65	37.86	23.95	162.5

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

20 = Exceeds groundwater standard or guidance value

U = Not detected at concentrations above reported analytical laboratory detection limits

NA = Not Available

NT = Not Tested

TCL = Target Compound List

VOC = Volatile Organic Compound

TIC = Tentatively Identified Compound

J = Estimated value

D = Compound concentration was obtained from a diluted analysis

N = Analyte passed identification criteria and is considered to be positively identified

B= Detected in Field Blank and/or Trip Blank

Table 2
Erie Harbor Site (Former River Park Commons - Townhouses)
NYSDEC Site #C828125

Cumulative Detected VOCs in ug/l or Parts Per Billion (ppb)

Groundwater Samples from Select Monitoring Wells

Detected Compound	Groundwater Standard or Guidance Value (1)	106 DAYMW-08 07/12/12	111 DAYMW-08 03/14/13	120 DAYMW-08 09/24/13	127 DAYMW-08 04/21/16	132 DAYMW-08 06/07/17	141 DAYMW-08 08/16/18	148 DAYMW-08 09/05/19	**155 DAYMW-08 09/10/20**	040 MW-05 09/08/06	064 MW-05 04/03/07	107 MW-05 07/13/12	112 MW-05 03/15/13	118 MW-05 09/24/13	125 MW-05 04/21/16	134 MW-05 06/07/17	139 MW-05 08/16/18	146 MW-05 09/05/19	**153 MW-05 09/10/20**	044 DAYMW-05 09/11/06	063 DAYMW-05 04/04/07	109 DAYMW-05A 07/13/12	113 DAYMW-05A 03/15/13	119 DAYMW-05A 09/24/13	126 DAYMW-05A 04/21/16	136 DAYMW-05A 06/07/17	140 DAYMW-05A 08/16/18	147 DAYMW-05A 09/05/19	**154 DAYMW-05A 09/10/20**
Dichlorodifluoromethane	5	U	U	U	U	U	U	U	U	7	8 J	U	U	U	U	U	U	0.22 J	0.24 J	U	U	U	U	U	U	U	U	U
Acetone	50	U	9.3 J	U	U	U	U	14 B	U	U	U	U	U	U	U	U	U	14 B	U	U	U	U	U	U	U	U	U	8.6 JB	U
Methyl tert-Butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone (MEK)	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	U	U	U	1.2 JB	U	U	U	U	U	U	U	U	U	1.8 JB	U	U	U	U	**15**	**7** J	**8.5**	3.6 J	3.3 J	2.1 JB	U	0.52 J	0.64 J	0.62 J
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NA	U	U	U	U	U	U	0.23 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylene (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U	U	NT	U	U	U	U	U	U	U	U	U	NT	U	U	U	U	U	U	U	U	NT
1,2,4-Trimethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	0.28 JB	U	0.33 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.30 JB	U	U	U	U	U	U	U	U	U	U
TOTAL TCL VOCS	NA	U	9.3	U	1.2	U	0.28	14.23	0.33	7	8	U	U	U	1.8	U	U	14.52	0.24	15	7	8.5	3.6	3.3	2.1	U	0.52	9.24	0.62
TOTAL TICS	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5.0 NJ	U	U	U	U	U	U	U	U	U	U	U
TOTAL VOCS AND TICS	NA	U	9.3	U	1.2	U	0.28	14.23	0.33	7	8	U	U	U	1.8	U	U	19.52	0.24	15	7	8.5	3.6	3.3	2.1	U	0.52	9.24	0.62

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

20 = Exceeds groundwater standard or guidance value

U = Not detected at concentrations above reported analytical laboratory detection limits

NA = Not Available

NT = Not Tested

TCL = Target Compound List

VOC = Volatile Organic Compound

TIC = Tentatively Identified Compound

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D = Compound concentration was obtained from a diluted analysis

N = Analyte passed identification criteria and is considered to be positively identified

B= Detected in Field Blank and/or Trip Blank

ATTACHMENT A

ALS Laboratory Report

September 18, 2020 Service Request No:R2008337

Ms. Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Laboratory Results for: Erie Harbor

Dear Ms.McLennan,

Enclosed are the results of the sample(s) submitted to our laboratory September 10, 2020
For your reference, these analyses have been assigned our service request number **R2008337.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7471. You may also contact me via email at Brady.Kalkman@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Vicky Collom for:

Brady Kalkman
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

1565 Jefferson Rd, Building 300, Rochester, NY 14623 | 585-288-5380 | www.alsglobal.com

Client: Day Environmental, Inc.
Project: Erie Harbor
Sample Matrix: Water

Service Request: R2008337
Date Received: 09/10/2020

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Seven water samples were received for analysis at ALS Environmental on 09/10/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 09/15/2020: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 09/18/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: 153-MW-05			Lab ID: R2008337-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Dichlorodifluoromethane (CFC 12)	0.24	J	0.21	5.0	ug/L	8260C

CLIENT ID: 154-DAYMW-05A			Lab ID: R2008337-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	0.62	J	0.20	5.0	ug/L	8260C

CLIENT ID: 155-DAYMW-08			Lab ID: R2008337-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloroform	0.33	J	0.24	5.0	ug/L	8260C

CLIENT ID: 156-DAYMW-09A			Lab ID: R2008337-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
4-Methyl-2-pentanone	0.24	J	0.20	10	ug/L	8260C
Benzene	1.4	J	0.20	5.0	ug/L	8260C
Cyclohexane	8.9	J	0.26	10	ug/L	8260C
Ethylbenzene	8.9		0.20	5.0	ug/L	8260C
Isopropylbenzene (Cumene)	1.6	J	0.20	5.0	ug/L	8260C
Methylcyclohexane	0.40	J	0.20	10	ug/L	8260C
Toluene	0.74	J	0.20	5.0	ug/L	8260C
m,p-Xylenes	0.35	J	0.20	5.0	ug/L	8260C
n-Propylbenzene	0.81	J	0.20	5.0	ug/L	8260C
o-Xylene	0.61	J	0.20	5.0	ug/L	8260C

CLIENT ID: 157-DAYMW-10			Lab ID: R2008337-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Dichlorodifluoromethane (CFC 12)	0.83	J	0.21	5.0	ug/L	8260C
Trichloroethene (TCE)	12		0.20	5.0	ug/L	8260C

CLIENT ID: 158-FB091020			Lab ID: R2008337-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
2-Butanone (MEK)	1.2	J	0.78	10	ug/L	8260C
4-Methyl-2-pentanone	0.75	J	0.20	10	ug/L	8260C
Acetone	6.7	J	5.0	10	ug/L	8260C
Methyl Acetate	0.33	J	0.33	10	ug/L	8260C
Toluene	0.39	J	0.20	5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Day Environmental, Inc. **Service Request:**R2008337

Project: Erie Harbor/4155R-09

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2008337-001	153-MW-05	9/10/2020	1105
R2008337-002	154-DAYMW-05A	9/10/2020	1126
R2008337-003	155-DAYMW-08	9/10/2020	1112
R2008337-004	156-DAYMW-09A	9/10/2020	1120
R2008337-005	157-DAYMW-10	9/10/2020	1135
R2008337-006	158-FB091020	9/10/2020	1104
R2008337-007	159-TB91020	9/10/2020	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

003510

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 .+1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: Eric Harbor	Project Number: 4155R-09
Project Manager: Jeff Danzinger	Report CC:
Company/Address: Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606	
Phone #	Email: jdanzinger@daymail.net
Sampler's Signature	Sampler's Printed Name: Jeff Danzinger

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP TCL VOLS + TICS	GC/MS SVOAs ◦ 8270 ◦ 625	GC VOAs ◦ 8021 ◦ 601/602	PESTICIDES ◦ 8081 ◦ 608	PCBs ◦ 8082 ◦ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
153-MW-05		9-10-20	1105	GW	3	X							
154-DAYMW-05A		9-10-20	1126	GW	3	X							
155-DAYMW-08		9-10-20	1112	GW	3	X							
156-DAYMW-09A		9-10-20	1120	GW	3	X							
157-DAYMW-10		9-10-20	1135	GW	6	X							Also do MS/MSD
158-FB091020		9-10-20	1104	W	3	X							Field Blank
159-TB091020		9-10-20	—	W	3	X							Trip Blank

9-10-2020

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
_____ Standard (10 business days-No Surcharge)
REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	
Printed Name: Jeff Danzinger	Printed Name: Gary LaFave	Printed Name	Printed Name	Printed Name	
Firm: DAY Env.	Firm: ALS	Firm	Firm	Firm	
Date/Time: 9-10-20 / 1215	Date/Time: 9/10/2020 1215	Date/Time	Date/Time	Date/Time	

R2008337 . 5
Day Environmental, Inc.
Erie Harbor

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

R2008337 5
Day Environmental, Inc.
Erie Harbor

Project/Client Day Folder Number .

Cooler received on 9/10/2020 by: @ **COURIER:** ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC) CLIENT
4	Circle: (**Wet Ice**) **Dry Ice** **Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 9/10/2020 Time: 1213 ID: IR#7 ~~IR#10~~ From: Temp Blank (Sample Bottle)

Observed Temp (°C)	13.8						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) (Same Day Rule)

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by @ on 9/10/2020 at 1215
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 9/10/2020 Time: 1950 by: @

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**						

Bottle lot numbers: 3554
Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: @
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09		

Sample Name:	153-MW-05	**Date Collected:**	09/10/20
Lab Code:	R2008337-001	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	154-DAYMW-05A	**Date Collected:**	09/10/20
Lab Code:	R2008337-002	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	155-DAYMW-08	**Date Collected:**	09/10/20
Lab Code:	R2008337-003	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	156-DAYMW-09A	**Date Collected:**	09/10/20
Lab Code:	R2008337-004	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	157-DAYMW-10	**Date Collected:**	09/10/20
Lab Code:	R2008337-005	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

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Analyst Summary report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09		

Sample Name:	158-FB091020	**Date Collected:**	09/10/20
Lab Code:	R2008337-006	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name:	159-TB91020	**Date Collected:**	09/10/20
Lab Code:	R2008337-007	**Date Received:**	09/10/20
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:05
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	153-MW-05	**Units:**	ug/L
Lab Code:	R2008337-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 17:21	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 17:21	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 17:21	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
1,4-Dioxane	13 U	100	13	1	09/15/20 17:21	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 17:21	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 17:21	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 17:21	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 17:21	
Acetone	5.0 U	10	5.0	1	09/15/20 17:21	
Benzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 17:21	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 17:21	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 17:21	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 17:21	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 17:21	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 17:21	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 17:21	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 17:21	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 17:21	
Dichlorodifluoromethane (CFC 12)	**0.24 J**	5.0	0.21	1	09/15/20 17:21	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 17:21	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 17:21	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 17:21	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 17:21	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 17:21	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:05
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	153-MW-05	**Units:**	ug/L
Lab Code:	R2008337-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 17:21	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 17:21	
Toluene	0.20 U	5.0	0.20	1	09/15/20 17:21	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 17:21	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 17:21	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 17:21	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 17:21	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 17:21	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 17:21	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 17:21	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:21	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 17:21	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 17:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/15/20 17:21	
Dibromofluoromethane	103	89 - 119	09/15/20 17:21	
Toluene-d8	103	87 - 121	09/15/20 17:21	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:26
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	154-DAYMW-05A	**Units:**	ug/L
Lab Code:	R2008337-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 17:43	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 17:43	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 17:43	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
1,4-Dioxane	13 U	100	13	1	09/15/20 17:43	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 17:43	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 17:43	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 17:43	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 17:43	
Acetone	5.0 U	10	5.0	1	09/15/20 17:43	
Benzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 17:43	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 17:43	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 17:43	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 17:43	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 17:43	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 17:43	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 17:43	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 17:43	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 17:43	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 17:43	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 17:43	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 17:43	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 17:43	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 17:43	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 17:43	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:26
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	154-DAYMW-05A	**Units:**	ug/L
Lab Code:	R2008337-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 17:43	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 17:43	
Toluene	0.20 U	5.0	0.20	1	09/15/20 17:43	
Trichloroethene (TCE)	**0.62 J**	5.0	0.20	1	09/15/20 17:43	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 17:43	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 17:43	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 17:43	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 17:43	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 17:43	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 17:43	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 17:43	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 17:43	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 17:43	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	09/15/20 17:43	
Dibromofluoromethane	101	89 - 119	09/15/20 17:43	
Toluene-d8	102	87 - 121	09/15/20 17:43	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:12
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	155-DAYMW-08	**Units:**	ug/L
Lab Code:	R2008337-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 18:05	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 18:05	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 18:05	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
1,4-Dioxane	13 U	100	13	1	09/15/20 18:05	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 18:05	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 18:05	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 18:05	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 18:05	
Acetone	5.0 U	10	5.0	1	09/15/20 18:05	
Benzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 18:05	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 18:05	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 18:05	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 18:05	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 18:05	
Chloroform	**0.33 J**	5.0	0.24	1	09/15/20 18:05	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 18:05	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 18:05	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:05	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 18:05	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 18:05	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 18:05	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 18:05	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 18:05	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 18:05	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:12
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	155-DAYMW-08	**Units:**	ug/L
Lab Code:	R2008337-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 18:05	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 18:05	
Toluene	0.20 U	5.0	0.20	1	09/15/20 18:05	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 18:05	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 18:05	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 18:05	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 18:05	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 18:05	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 18:05	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 18:05	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:05	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 18:05	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 18:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	09/15/20 18:05	
Dibromofluoromethane	102	89 - 119	09/15/20 18:05	
Toluene-d8	102	87 - 121	09/15/20 18:05	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:20
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	156-DAYMW-09A	**Units:**	ug/L
Lab Code:	R2008337-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 18:28	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 18:28	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 18:28	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
1,4-Dioxane	13 U	100	13	1	09/15/20 18:28	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 18:28	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 18:28	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 18:28	
4-Methyl-2-pentanone	**0.24 J**	10	0.20	1	09/15/20 18:28	
Acetone	5.0 U	10	5.0	1	09/15/20 18:28	
Benzene	**1.4 J**	5.0	0.20	1	09/15/20 18:28	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 18:28	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 18:28	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 18:28	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 18:28	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 18:28	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 18:28	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 18:28	
Cyclohexane	**8.9 J**	10	0.26	1	09/15/20 18:28	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:28	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 18:28	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 18:28	
Ethylbenzene	**8.9**	5.0	0.20	1	09/15/20 18:28	
Isopropylbenzene (Cumene)	**1.6 J**	5.0	0.20	1	09/15/20 18:28	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 18:28	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 18:28	
Methylcyclohexane	**0.40 J**	10	0.20	1	09/15/20 18:28	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:20
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	156-DAYMW-09A	**Units:**	ug/L
Lab Code:	R2008337-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 18:28	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 18:28	
Toluene	**0.74 J**	5.0	0.20	1	09/15/20 18:28	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 18:28	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 18:28	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 18:28	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 18:28	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 18:28	
m,p-Xylenes	**0.35 J**	5.0	0.20	1	09/15/20 18:28	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
n-Propylbenzene	**0.81 J**	5.0	0.20	1	09/15/20 18:28	
o-Xylene	**0.61 J**	5.0	0.20	1	09/15/20 18:28	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:28	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 18:28	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 18:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	09/15/20 18:28	
Dibromofluoromethane	105	89 - 119	09/15/20 18:28	
Toluene-d8	104	87 - 121	09/15/20 18:28	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:35
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	157-DAYMW-10	**Units:**	ug/L
Lab Code:	R2008337-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 18:50	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 18:50	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 18:50	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
1,4-Dioxane	13 U	100	13	1	09/15/20 18:50	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 18:50	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 18:50	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 18:50	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 18:50	
Acetone	5.0 U	10	5.0	1	09/15/20 18:50	
Benzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 18:50	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 18:50	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 18:50	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 18:50	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 18:50	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 18:50	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 18:50	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 18:50	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 18:50	
Dichlorodifluoromethane (CFC 12)	**0.83 J**	5.0	0.21	1	09/15/20 18:50	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 18:50	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 18:50	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 18:50	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 18:50	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 18:50	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:35
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	157-DAYMW-10	**Units:**	ug/L
Lab Code:	R2008337-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 18:50	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 18:50	
Toluene	0.20 U	5.0	0.20	1	09/15/20 18:50	
Trichloroethene (TCE)	**12**	5.0	0.20	1	09/15/20 18:50	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 18:50	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 18:50	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 18:50	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 18:50	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 18:50	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 18:50	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 18:50	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 18:50	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 18:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	09/15/20 18:50	
Dibromofluoromethane	104	89 - 119	09/15/20 18:50	
Toluene-d8	104	87 - 121	09/15/20 18:50	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:04
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	158-FB091020	**Units:**	ug/L
Lab Code:	R2008337-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 16:36	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 16:36	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 16:36	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
1,4-Dioxane	13 U	100	13	1	09/15/20 16:36	
2-Butanone (MEK)	**1.2 J**	10	0.78	1	09/15/20 16:36	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 16:36	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 16:36	
4-Methyl-2-pentanone	**0.75 J**	10	0.20	1	09/15/20 16:36	
Acetone	**6.7 J**	10	5.0	1	09/15/20 16:36	
Benzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 16:36	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 16:36	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 16:36	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 16:36	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 16:36	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 16:36	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 16:36	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 16:36	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 16:36	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 16:36	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 16:36	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 16:36	
Methyl Acetate	**0.33 J**	10	0.33	1	09/15/20 16:36	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 16:36	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 16:36	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20 11:04
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	158-FB091020	**Units:**	ug/L
Lab Code:	R2008337-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 16:36	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 16:36	
Toluene	**0.39 J**	5.0	0.20	1	09/15/20 16:36	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 16:36	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 16:36	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 16:36	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 16:36	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 16:36	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 16:36	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 16:36	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:36	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 16:36	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 16:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/15/20 16:36	
Dibromofluoromethane	103	89 - 119	09/15/20 16:36	
Toluene-d8	104	87 - 121	09/15/20 16:36	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	159-TB91020	**Units:**	ug/L
Lab Code:	R2008337-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 16:59	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 16:59	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 16:59	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
1,4-Dioxane	13 U	100	13	1	09/15/20 16:59	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 16:59	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 16:59	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 16:59	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 16:59	
Acetone	5.0 U	10	5.0	1	09/15/20 16:59	
Benzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 16:59	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 16:59	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 16:59	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 16:59	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 16:59	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 16:59	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 16:59	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 16:59	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 16:59	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 16:59	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 16:59	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 16:59	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 16:59	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 16:59	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 16:59	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20
Sample Matrix:	Water	**Date Received:**	09/10/20 12:15
Sample Name:	159-TB91020	**Units:**	ug/L
Lab Code:	R2008337-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 16:59	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 16:59	
Toluene	0.20 U	5.0	0.20	1	09/15/20 16:59	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 16:59	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 16:59	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 16:59	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 16:59	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 16:59	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 16:59	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 16:59	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 16:59	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 16:59	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 16:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	09/15/20 16:59	
Dibromofluoromethane	104	89 - 119	09/15/20 16:59	
Toluene-d8	104	87 - 121	09/15/20 16:59	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
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QA/QC Report

Client: Day Environmental, Inc. **Service Request:** R2008337
Project: Erie Harbor/4155R-09
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85-122	Dibromofluoromethane 89-119	Toluene-d8 87-121
153-MW-05	R2008337-001	101	103	103
154-DAYMW-05A	R2008337-002	99	101	102
155-DAYMW-08	R2008337-003	101	102	102
156-DAYMW-09A	R2008337-004	104	105	104
157-DAYMW-10	R2008337-005	103	104	104
158-FB091020	R2008337-006	102	103	104
159-TB91020	R2008337-007	102	104	104
Method Blank	RQ2010706-04	100	103	103
Lab Control Sample	RQ2010706-03	101	104	101
157-DAYMW-10 MS	RQ2010706-05	104	108	104
157-DAYMW-10 DMS	RQ2010706-06	106	108	104

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QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20
Sample Matrix:	Water	**Date Received:**	09/10/20
		Date Analyzed:	09/15/20
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	157-DAYMW-10	**Units:**	ug/L
Lab Code:	R2008337-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2010706-05			**Duplicate Matrix Spike** RQ2010706-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	0.20 U	53.7	50.0	107	58.1	50.0	116	74-127	8	30
1,1,2,2-Tetrachloroethane	0.20 U	60.6	50.0	121	65.5	50.0	131 *	72-122	8	30
1,1,2-Trichloroethane	0.20 U	49.1	50.0	98	52.2	50.0	104	82-121	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	52.8	50.0	106	57.0	50.0	114	50-147	8	30
1,1-Dichloroethane (1,1-DCA)	0.20 U	54.4	50.0	109	59.0	50.0	118	74-132	8	30
1,1-Dichloroethene (1,1-DCE)	0.20 U	61.2	50.0	122 *	65.9	50.0	132 *	71-118	7	30
1,2,3-Trichlorobenzene	0.25 U	42.7	50.0	85	46.0	50.0	92	59-129	8	30
1,2,4-Trichlorobenzene	0.34 U	43.7	50.0	87	46.7	50.0	93	69-122	7	30
1,2,4-Trimethylbenzene	0.20 U	49.8	50.0	100	54.0	50.0	108	73-133	8	30
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	42.5	50.0	85	47.5	50.0	95	37-150	11	30
1,2-Dibromoethane	0.20 U	49.2	50.0	98	53.2	50.0	106	67-127	8	30
1,2-Dichlorobenzene	0.20 U	45.4	50.0	91	48.8	50.0	98	77-120	7	30
1,2-Dichloroethane	0.20 U	55.2	50.0	110	58.8	50.0	118	68-130	6	30
1,2-Dichloropropane	0.20 U	51.0	50.0	102	54.5	50.0	109	79-124	7	30
1,3,5-Trimethylbenzene	0.20 U	50.0	50.0	100	54.2	50.0	108	81-131	8	30
1,3-Dichlorobenzene	0.20 U	46.7	50.0	93	50.3	50.0	101	83-121	7	30
1,4-Dichlorobenzene	0.20 U	46.3	50.0	93	50.1	50.0	100	82-120	8	30
1,4-Dioxane	13 U	926	1000	93	1030	1000	103	44-154	10	30
2-Butanone (MEK)	0.78 U	54.2	50.0	108	57.3	50.0	115	61-137	6	30
2-Hexanone	0.20 U	52.5	50.0	105	55.8	50.0	112	56-132	6	30
4-Isopropyltoluene	0.20 U	48.2	50.0	96	52.6	50.0	105	78-133	9	30
4-Methyl-2-pentanone	0.20 U	52.4	50.0	105	56.3	50.0	113	60-141	7	30
Acetone	5.0 U	60.9	50.0	122	65.9	50.0	132	35-183	8	30
Benzene	0.20 U	51.3	50.0	103	54.7	50.0	109	76-129	6	30
Bromochloromethane	0.20 U	48.0	50.0	96	52.4	50.0	105	80-122	9	30
Bromodichloromethane	0.20 U	48.7	50.0	97	52.6	50.0	105	78-133	8	30
Bromoform	0.25 U	43.2	50.0	86	47.3	50.0	95	58-133	9	30
Bromomethane	0.70 U	48.3	50.0	97	52.1	50.0	104	10-184	7	30
Carbon Disulfide	0.42 U	51.4	50.0	103	55.2	50.0	110	59-140	7	30
Carbon Tetrachloride	0.34 U	52.3	50.0	105	57.1	50.0	114	65-135	9	30
Chlorobenzene	0.20 U	48.9	50.0	98	52.0	50.0	104	76-125	6	30
Chloroethane	0.23 U	64.9	50.0	130	69.2	50.0	138	48-146	6	30
Chloroform	0.24 U	53.2	50.0	106	57.4	50.0	115	75-130	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	09/10/20
Sample Matrix:	Water	**Date Received:**	09/10/20
		Date Analyzed:	09/15/20
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	157-DAYMW-10	**Units:**	ug/L
Lab Code:	R2008337-005	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2010706-05			**Duplicate Matrix Spike** RQ2010706-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	0.28 U	62.1	50.0	124	67.5	50.0	135	55-160	8	30
Cyclohexane	0.26 U	55.0	50.0	110	58.7	50.0	117	52-145	6	30
Dibromochloromethane	0.20 U	47.9	50.0	96	51.9	50.0	104	72-128	8	30
Dichlorodifluoromethane (CFC 12)	0.83 J	73.9	50.0	146	77.0	50.0	152	49-154	4	30
Dichloromethane	0.65 U	49.5	50.0	99	52.9	50.0	106	73-122	7	30
Ethylbenzene	0.20 U	50.6	50.0	101	54.7	50.0	109	72-134	8	30
Isopropylbenzene (Cumene)	0.20 U	50.5	50.0	101	53.8	50.0	108	77-128	6	30
Methyl Acetate	0.33 U	32.7	50.0	65	36.1	50.0	72	26-121	10	30
Methyl tert-Butyl Ether	0.20 U	51.1	50.0	102	55.8	50.0	112	75-119	9	30
Methylcyclohexane	0.20 U	48.4	50.0	97	53.3	50.0	107	45-146	10	30
Styrene	0.20 U	49.1	50.0	98	52.4	50.0	105	74-136	6	30
Tetrachloroethene (PCE)	0.21 U	49.3	50.0	99	52.8	50.0	106	72-125	7	30
Toluene	0.20 U	50.9	50.0	102	54.1	50.0	108	79-119	6	30
Trichloroethene (TCE)	12	55.3	50.0	86	58.7	50.0	93	74-122	6	30
Trichlorofluoromethane (CFC 11)	0.24 U	58.7	50.0	117	62.8	50.0	126	71-136	7	30
Vinyl Chloride	0.20 U	61.0	50.0	122	65.7	50.0	131	74-159	7	30
cis-1,2-Dichloroethene	0.23 U	52.6	50.0	105	56.5	50.0	113	77-127	7	30
cis-1,3-Dichloropropene	0.20 U	48.4	50.0	97	52.2	50.0	104	52-134	8	30
m,p-Xylenes	0.20 U	101	100	101	108	100	108	80-126	7	30
n-Butylbenzene	0.20 U	50.4	50.0	101	55.1	50.0	110	78-133	9	30
n-Propylbenzene	0.20 U	53.0	50.0	106	57.2	50.0	114	78-131	8	30
o-Xylene	0.20 U	50.3	50.0	101	53.4	50.0	107	79-123	6	30
sec-Butylbenzene	0.20 U	50.0	50.0	100	54.7	50.0	109	75-129	9	30
tert-Butylbenzene	0.20 U	49.2	50.0	98	53.8	50.0	108	68-127	9	30
trans-1,2-Dichloroethene	0.20 U	57.6	50.0	115	62.0	50.0	124 *	73-118	7	30
trans-1,3-Dichloropropene	0.23 U	46.3	50.0	93	50.3	50.0	101	71-133	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2010706-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,1,2,2-Tetrachloroethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,1,2-Trichloroethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,1-Dichloroethane (1,1-DCA)	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,1-Dichloroethene (1,1-DCE)	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,2,3-Trichlorobenzene	0.25 U	5.0	0.25	1	09/15/20 12:26	
1,2,4-Trichlorobenzene	0.34 U	5.0	0.34	1	09/15/20 12:26	
1,2,4-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,2-Dibromo-3-chloropropane (DBCP)	0.45 U	5.0	0.45	1	09/15/20 12:26	
1,2-Dibromoethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,2-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,2-Dichloroethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,2-Dichloropropane	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,3,5-Trimethylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,3-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,4-Dichlorobenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
1,4-Dioxane	13 U	100	13	1	09/15/20 12:26	
2-Butanone (MEK)	0.78 U	10	0.78	1	09/15/20 12:26	
2-Hexanone	0.20 U	10	0.20	1	09/15/20 12:26	
4-Isopropyltoluene	0.20 U	5.0	0.20	1	09/15/20 12:26	
4-Methyl-2-pentanone	0.20 U	10	0.20	1	09/15/20 12:26	
Acetone	5.0 U	10	5.0	1	09/15/20 12:26	
Benzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
Bromochloromethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
Bromodichloromethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
Bromoform	0.25 U	5.0	0.25	1	09/15/20 12:26	
Bromomethane	0.70 U	5.0	0.70	1	09/15/20 12:26	
Carbon Disulfide	0.42 U	10	0.42	1	09/15/20 12:26	
Carbon Tetrachloride	0.34 U	5.0	0.34	1	09/15/20 12:26	
Chlorobenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
Chloroethane	0.23 U	5.0	0.23	1	09/15/20 12:26	
Chloroform	0.24 U	5.0	0.24	1	09/15/20 12:26	
Chloromethane	0.28 U	5.0	0.28	1	09/15/20 12:26	
Cyclohexane	0.26 U	10	0.26	1	09/15/20 12:26	
Dibromochloromethane	0.20 U	5.0	0.20	1	09/15/20 12:26	
Dichlorodifluoromethane (CFC 12)	0.21 U	5.0	0.21	1	09/15/20 12:26	
Dichloromethane	0.65 U	5.0	0.65	1	09/15/20 12:26	
Ethylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
Isopropylbenzene (Cumene)	0.20 U	5.0	0.20	1	09/15/20 12:26	
Methyl Acetate	0.33 U	10	0.33	1	09/15/20 12:26	
Methyl tert-Butyl Ether	0.20 U	5.0	0.20	1	09/15/20 12:26	
Methylcyclohexane	0.20 U	10	0.20	1	09/15/20 12:26	

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Analytical Report

Client:	Day Environmental, Inc.	**Service Request:**	R2008337
Project:	Erie Harbor/4155R-09	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2010706-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
Styrene	0.20 U	5.0	0.20	1	09/15/20 12:26	
Tetrachloroethene (PCE)	0.21 U	5.0	0.21	1	09/15/20 12:26	
Toluene	0.20 U	5.0	0.20	1	09/15/20 12:26	
Trichloroethene (TCE)	0.20 U	5.0	0.20	1	09/15/20 12:26	
Trichlorofluoromethane (CFC 11)	0.24 U	5.0	0.24	1	09/15/20 12:26	
Vinyl Chloride	0.20 U	5.0	0.20	1	09/15/20 12:26	
cis-1,2-Dichloroethene	0.23 U	5.0	0.23	1	09/15/20 12:26	
cis-1,3-Dichloropropene	0.20 U	5.0	0.20	1	09/15/20 12:26	
m,p-Xylenes	0.20 U	5.0	0.20	1	09/15/20 12:26	
n-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
n-Propylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
o-Xylene	0.20 U	5.0	0.20	1	09/15/20 12:26	
sec-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
tert-Butylbenzene	0.20 U	5.0	0.20	1	09/15/20 12:26	
trans-1,2-Dichloroethene	0.20 U	5.0	0.20	1	09/15/20 12:26	
trans-1,3-Dichloropropene	0.23 U	5.0	0.23	1	09/15/20 12:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	09/15/20 12:26	
Dibromofluoromethane	103	89 - 119	09/15/20 12:26	
Toluene-d8	103	87 - 121	09/15/20 12:26	

ALS Group USA, Corp.
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QA/QC Report

Client: Day Environmental, Inc.
Project: Erie Harbor/4155R-09
Sample Matrix: Water

Service Request: R2008337
Date Analyzed: 09/15/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2010706-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.4	20.0	92	75-125
1,1,2,2-Tetrachloroethane	8260C	24.4	20.0	122	78-126
1,1,2-Trichloroethane	8260C	20.1	20.0	100	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	18.0	20.0	90	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	19.9	20.0	100	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.9	20.0	110	71-118
1,2,3-Trichlorobenzene	8260C	16.2	20.0	81	67-136
1,2,4-Trichlorobenzene	8260C	16.3	20.0	82	75-132
1,2,4-Trimethylbenzene	8260C	17.1	20.0	86	81-126
1,2-Dibromo-3-chloropropane (DBCP)	8260C	17.2	20.0	86	55-136
1,2-Dibromoethane	8260C	19.9	20.0	99	82-127
1,2-Dichlorobenzene	8260C	17.5	20.0	88	80-119
1,2-Dichloroethane	8260C	22.3	20.0	111	71-127
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
1,3,5-Trimethylbenzene	8260C	16.6	20.0	83	81-128
1,3-Dichlorobenzene	8260C	17.1	20.0	86	83-121
1,4-Dichlorobenzene	8260C	17.3	20.0	87	79-119
1,4-Dioxane	8260C	344	400	86	44-154
2-Butanone (MEK)	8260C	19.8	20.0	99	61-137
2-Hexanone	8260C	18.5	20.0	92	63-124
4-Isopropyltoluene	8260C	15.9	20.0	79	78-133
4-Methyl-2-pentanone	8260C	18.7	20.0	94	66-124
Acetone	8260C	23.4	20.0	117	40-161
Benzene	8260C	18.8	20.0	94	79-119
Bromochloromethane	8260C	19.5	20.0	97	81-126
Bromodichloromethane	8260C	18.6	20.0	93	81-123
Bromoform	8260C	17.7	20.0	89	65-146
Bromomethane	8260C	17.0	20.0	85	42-166
Carbon Disulfide	8260C	17.0	20.0	85	66-128
Carbon Tetrachloride	8260C	17.2	20.0	86	70-127
Chlorobenzene	8260C	18.2	20.0	91	80-121
Chloroethane	8260C	23.1	20.0	115	62-131
Chloroform	8260C	20.1	20.0	100	79-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Day Environmental, Inc.
Project: Erie Harbor/4155R-09
Sample Matrix: Water

Service Request: R2008337
Date Analyzed: 09/15/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2010706-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	8260C	22.3	20.0	112	65-135
Cyclohexane	8260C	22.1	20.0	111	69-120
Dibromochloromethane	8260C	19.3	20.0	97	72-128
Dichlorodifluoromethane (CFC 12)	8260C	25.7	20.0	129	59-155
Dichloromethane	8260C	19.2	20.0	96	73-122
Ethylbenzene	8260C	17.2	20.0	86	76-120
Isopropylbenzene (Cumene)	8260C	16.2	20.0	81	77-128
Methyl Acetate	8260C	14.1	20.0	70	61-133
Methyl tert-Butyl Ether	8260C	21.2	20.0	106	75-118
Methylcyclohexane	8260C	21.0	20.0	105	51-129
Styrene	8260C	18.1	20.0	90	80-124
Tetrachloroethene (PCE)	8260C	16.2	20.0	81	72-125
Toluene	8260C	17.9	20.0	90	79-119
Trichloroethene (TCE)	8260C	15.3	20.0	76	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.6	20.0	103	71-136
Vinyl Chloride	8260C	21.1	20.0	106	74-159
cis-1,2-Dichloroethene	8260C	19.8	20.0	99	80-121
cis-1,3-Dichloropropene	8260C	18.7	20.0	94	77-122
m,p-Xylenes	8260C	34.4	40.0	86	80-126
n-Butylbenzene	8260C	16.9	20.0	85	78-133
n-Propylbenzene	8260C	17.1	20.0	85	78-131
o-Xylene	8260C	17.7	20.0	88	79-123
sec-Butylbenzene	8260C	16.2	20.0	81	75-129
tert-Butylbenzene	8260C	15.8	20.0	79	76-126
trans-1,2-Dichloroethene	8260C	20.8	20.0	104	73-118
trans-1,3-Dichloropropene	8260C	19.0	20.0	95	71-133

Attachment B

Site-Wide Inspection Form

ANNUAL SITE-WIDE INSPECTION FORM
ERIE HARBOR SITE
205-405 MT. HOPE AVENUE
ROCHESTER, NEW YORK
NYSDEC SITE NUMBER: C828125

Date of Inspection: August 27, 2020

Inspected By: Jeff Danzinger

(Include: name, company, and position of person(s) conducting inspection)

Observed Use of Site: Residential - Unchanged

SSDS in Building #3:

Integrity of Observed Aboveground Components: good

Results of testing alarm by temporary disconnection of tubing: Alarm Sounds

Vacuum reading at temporary disconnected alarm tubing: -0.395 " H_2O

Vacuum reading at #602 SSDS Monitoring Point: -0.375 " H_2O

Vacuum reading at #604 SSDS Monitoring Point: -0.067 " H_2O

Vacuum reading at #607 SSDS Monitoring Point: -0.402 " H_2O

Vacuum reading at #610 SSDS Monitoring Point: -0.357 " H_2O

Discuss any corrective actions needed or taken: None needed

SSDS in Building #4:

Integrity of Observed Aboveground Components: good

Results of testing alarm by temporary disconnection of tubing: Alarm Sounds

Vacuum reading at temporary disconnected alarm tubing: -0.654 " H_2O

Vacuum reading at #502 SSDS Monitoring Point: -0.645 " H_2O

Vacuum reading at #505 SSDS Monitoring Point: -0.511 " H_2O

Discuss any corrective actions needed or taken: None needed

Monitoring Wells:

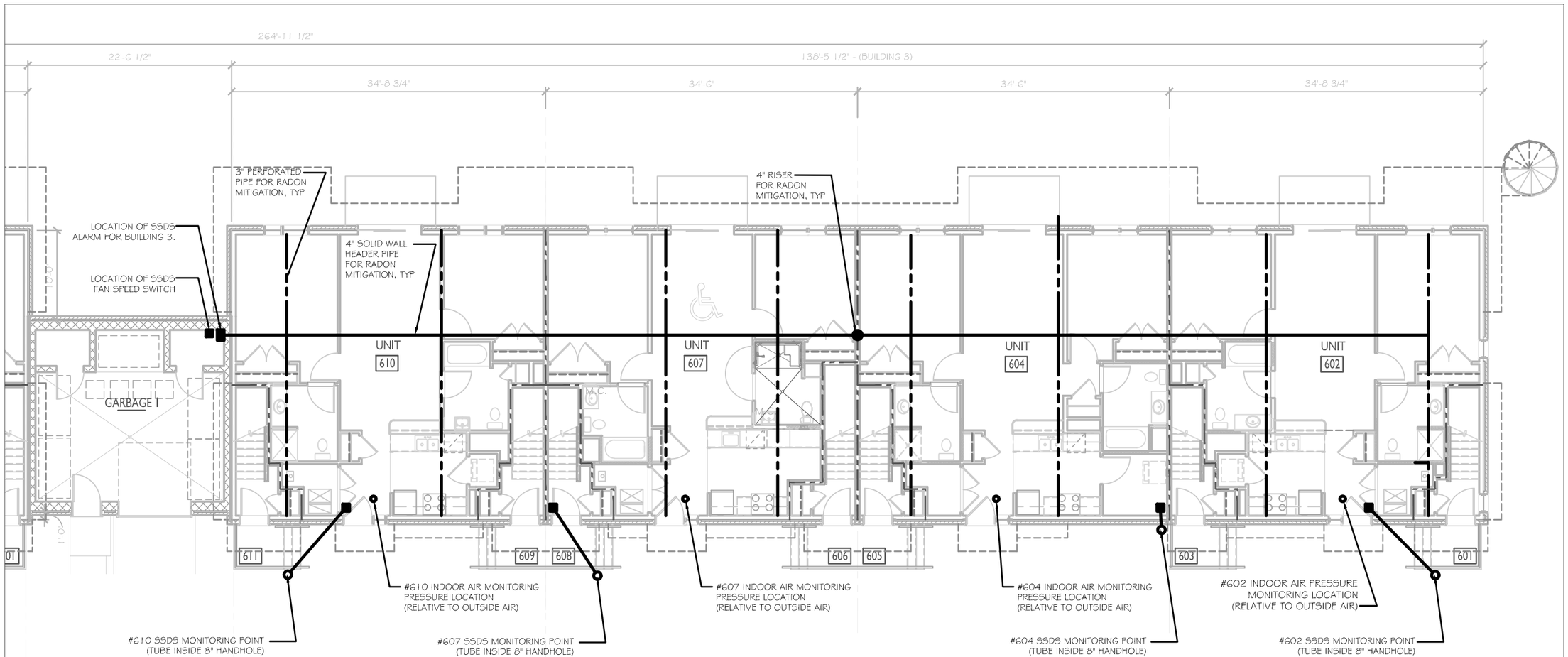
Evidence of damage or blockage of monitoring wells: ☐ Yes ☒ No

Describe damage or blockage if observed: N/A

Discuss any corrective actions needed or taken: None

Additional Comments: None

Signatures:



BUILDING #3 SSDS COMPONENTS

Not To Scale

DESIGNED BY	BFK
DATE	1-2018
DRAWN BY	RJM
DATE DRAWN	1-10-2018
SCALE	Not To Scale
DATE ISSUED	1-11-2018

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10016-0710

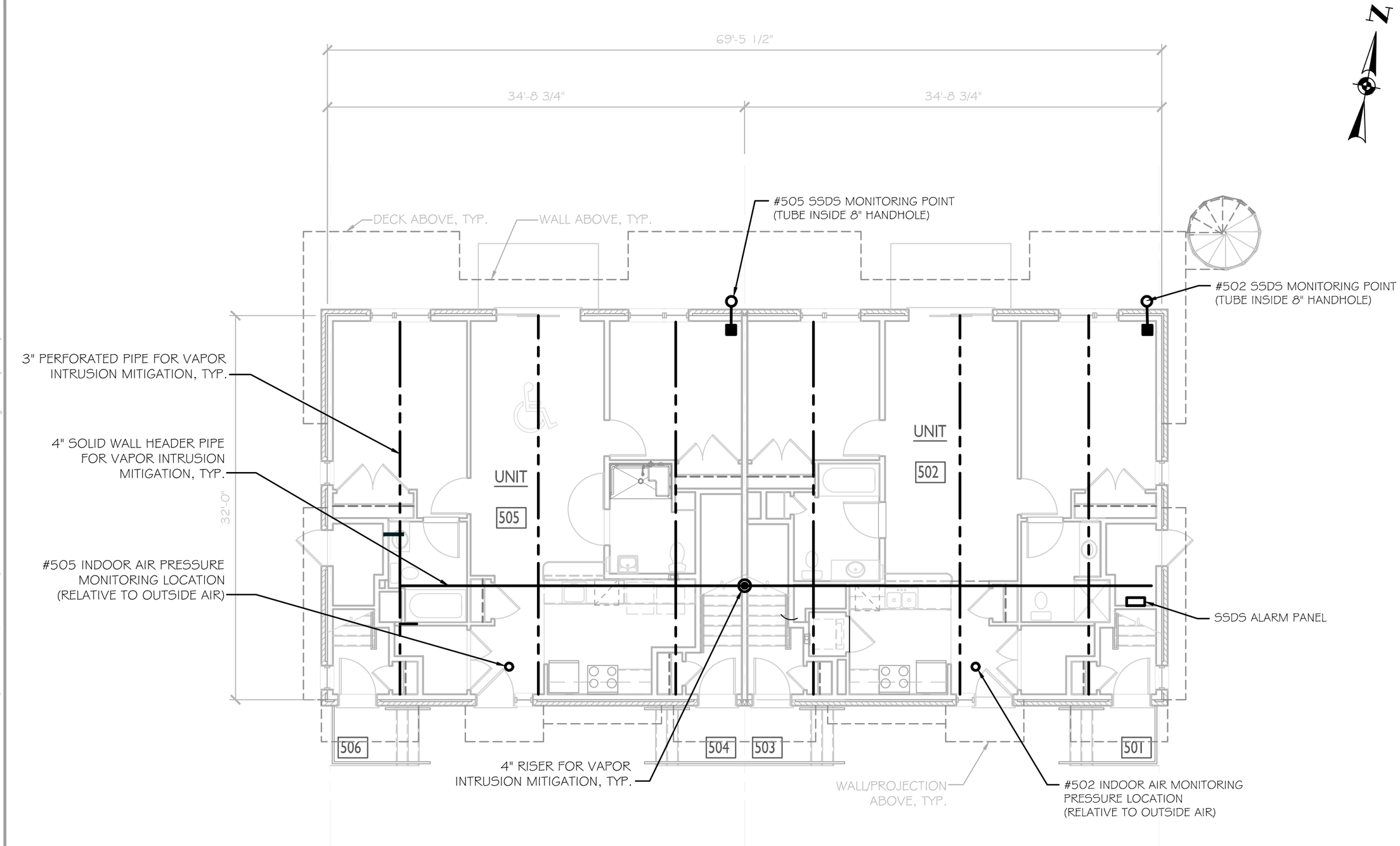
PROJECT TITLE
205-405 MT. HOPE AVENUE
ROCHESTER, NEW YORK

BROWNFIELD CLEANUP PROGRAM

DRAWING TITLE
Building #3 SSDS Components

PROJECT NO.
4155R-09

FIGURE 15



BUILDING #4
SSDS COMPONENTS
1/8" = 1'-0"

DESIGNED BY: BFK
DATE: 1-2018
DRAWN BY: RJM
DATE DRAWN: 1-10-2018
SCALE: As Noted
DATE ISSUED: 1-10-2018

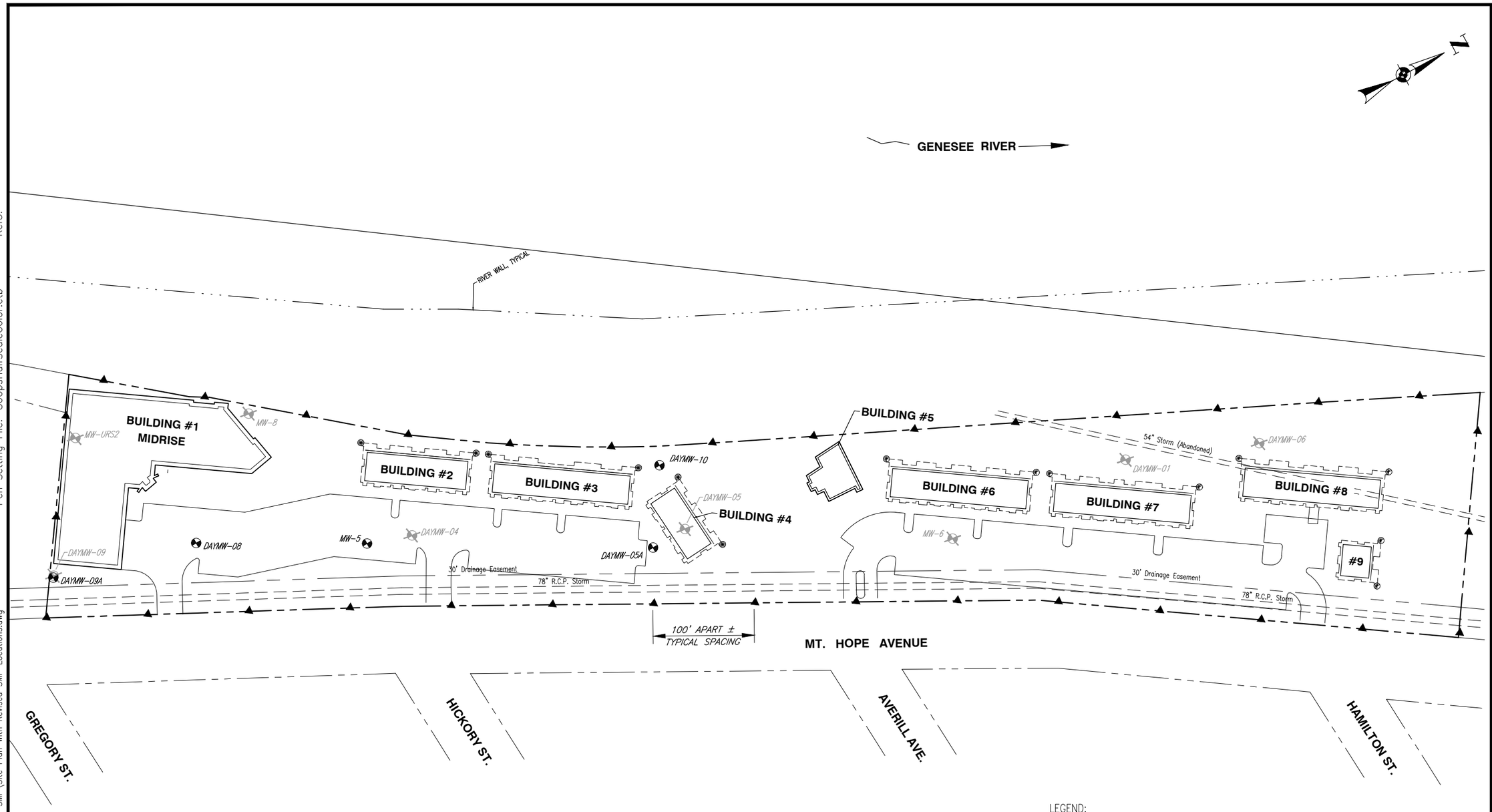
day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE
205-405 MT. HOPE AVENUE
ROCHESTER, NEW YORK
BROWNFIELD CLEANUP PROGRAM

DRAWING TITLE
Building #4 SSDS Components

PROJECT NO.
4155R-09

FIGURE 16



Ref1:
Ref2:
Ref3:

Xerox432AnsiB-2; 11 x 17
Layout Name: Layout1
Pen Setting File: 800psHalfScaleColor.ctb

Time Plotted: Thursday, January 11, 2018 7:31:27 AM
File Name: P:\Drawings\Conifer\4155R-09 Revised SMP\Site Plan with Revised SMP Locations.dwg

FIELD VERIFIED BY	DATE
JAD	1-2018
DRAWN BY	DATE DRAWN
RJM	1-10-2018
SCALE	DATE ISSUED
As Noted	1-11-2018

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
205-405 MT. HOPE AVENUE
ROCHESTER, NEW YORK
BROWNFIELD CLEANUP PROGRAM

DRAWING TITLE
Well Location Plan and Tentative CAMP Perimeter Monitoring Stations

PROJECT NO.
4155R-09

FIGURE 17

Attachment C

Institutional and Engineering Controls Certification Form

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. **C828125**

Site Name River Park Commons - Townhouses

Site Address: 205-405 Mt. Hope Avenue Zip Code: 14620
City/Town: Rochester
County: Monroe
Site Acreage: 6.0

Reporting Period: **November 1, 2019 through October 31, 2020**

	YES	NO
1. Is the information above correct?	■	□
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?	□	■
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	□	■
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	□	■
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?	□	■

Box 2

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

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. C828125 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
121.55-01-059.001	Erie Harbor, LLC	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
121.55-01-059.001	Vapor Mitigation

Engineering Control Details for Site No. C828125

Parcel: 121.55-01-059.001

A restricted residental land use restriction is in place.
A groundwater use restriction is in place.
Excavation must be done under the SMP.
The potential for soil vapor intrusion must be evaluated and mitigated if required in "EC area."
Vegetable gardens and farming are prohibited without Department approval.
Periodic certification is required.

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 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
■	□

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or 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
■	□

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. C828125

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 Sandra E. Gorie at 1000 University Ave, Suite 500, Rochester, NY 14607.
print name print business address

am certifying as Owner Agent for Owner (Owner or Remedial Party)

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

Sandra E Gorie 11/5/20
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

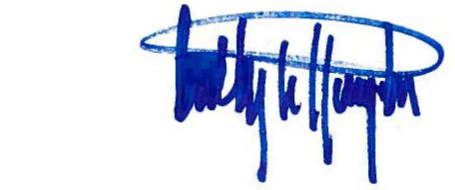
Box 7

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 Timothy K. Hampton (print name) at 1563 Lyell Avenue, Rochester, NY 14606 (print business address),

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



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

Stamp (Required for PE)

11/6/2020

Date