C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

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April 22, 2022

Mr. Matthew Hubicki
Project Manager, Remedial Bureau C
NYSDEC, Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7014

Re: Site Management Periodic Review Report and IC/EC Certification
Reporting Period March 1, 2021 to April 22, 2022
USAI Lighting Facility Brownfield Cleanup Program (BCP) Site
1126 River Road, Town of New Windsor, New York
BCP Site ID: C336087; C.T. Male Project No.: 14.4337

Dear Mr. Hubicki:

On behalf of BDL LLC, C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture & Geology, D.P.C. (C.T. Male) presents this Site-Wide Periodic Review Report (PRR) for the USAI Lighting Facility (USAI Facility) BCP Site (the Site) in New Windsor, New York. The PRR was prepared in accordance with NYSDEC-approved Site Management Plan (SMP) dated November 2016 and the NYSDEC's PRR General Guidance (Enclosure 3).

This PRR covers monitoring and sampling activities that occurred during the reporting period extending from March 1, 2021 to April 22, 2022. C.T. Male performed a site visit on March 3, 2022 to observe the integrity of the Surface Cover System for the Site, and to assess the vapor intrusion (VI) mitigation measures. Forms documenting adherence to the SMP requirements are enclosed and attached to this PRR (**Attachment B**). Note: The Institutional/Engineering Controls Certification Form is not provided in this PRR. Once available, the Form with the appropriate signatures will be submitted to NYSDEC and appended to this Report.

Executive Summary

BDL, LLC entered into a Brownfield Cleanup Agreement with NYSDEC in December 2014 to remediate a property identified in the Orange County Assessors' Office with Tax ID: 9-1-97.1. The 11.4-acre Site is located at 1116/1126 River Road in the Town of New Windsor, Orange County. The soils and groundwater at the Site were impacted with petroleum products, based on the results of previous investigations. Additionally, free-

phase petroleum product was reported in monitoring wells on the northern and southern portions of the Site.

As detailed in the December 2016 Final Engineer Report (FER) prepared by C.T. Male, the Site remedy consisted of the following elements: removal of contaminated soils above commercial soil cleanup objectives (SCOs), placement of a Surface Cover System, installation of VI mitigation measures, and implementation of the SMP. The remedy for the Site was based on Industrial/Commercial Use incorporating engineering and institutional controls consistent with Track 4 cleanup levels promulgated at 6 NYCRR 375-3.8(e)(4). The remedy consisted of placement of capping materials (asphalt, concrete or vegetated soil) and localized excavation of grossly contaminated soils in conjunction with site development. The excavated material was removed from the Site and properly disposed. The SMP was approved in November 2016 and the Certificate of Completion (COC) was issued in December 2016.

Based on the review of the compliance monitoring results, inclusive of groundwater, soil vapor and ambient air sampling, for this reporting period, the remedial program is effective at protecting human health and the environment.

Site Overview

BDL, LLC entered into a Brownfield Cleanup Agreement with NYSDEC in December 2014 to remediate a property identified in the Orange County Assessors' Office with Tax ID: 9-1-97.1. The 11.4-acre Site is located at 1116/1126 River Road in the Town of New Windsor, Orange County. The Site consists of those portions of the parcel that are above the mean high-water level of the Hudson River. A Site Location Map depicting the property boundaries is attached as **Figure 1**.

The northern portion of the property, located at 1126 River Road, contains an active LED light manufacturing plant and warehouse/distribution facility. The building occupies approximately 2.5 acres with associated parking lot and roadways occupying approximately 6 acres. The southern portion of the property, located at 1116 River Road, contains a parking lot, grass-covered areas and a pond (stormwater structure). The Site is bounded by railroad tracks to the east, River Road to the west, a soil reclamation facility to the south and a Major Oil Storage Facility (MOSF) to the north. The Hudson River is located further east of the Site. In addition, there is a small pond / wet area in the north-central portion of the Site that is hydrologically connected to the Hudson River and fluctuates with the tides.

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Past Site uses include light assembly and manufacturing, distribution / warehousing and petroleum bulk storage. In 1913, the northern portion of the Site was used as a brick works and manufacturer of rail equipment. In 1957, the northern portion of the Site became part of the Mastic Tile Corporation, and the southern part of the Site became the Affron MOSF (NYSDEC MOSF No. 3-1380). By the late 1960s, the northern portion of the Site was occupied by Ruberoid Floor Tile Division. The southern portion of the Site continued to operate as a MOSF until the mid-1990s, at which time it had seven (7) bulk fuel oil storage tanks.

Evidence of impacts to soil, sediment, surface water, groundwater, soil gas and indoor air were identified across the entire Site. Two (2) spills were reported on the Site:

1. Spill No. 9903745 was opened on April 30, 1999 in relation to the removal and remediation of two (2) 1,000-gallon underground storage tanks formerly situated on the southern portion of the Site. These were used for storage of fuel oil and diesel. Approximately 133 tons of soil was removed, and the spill was subsequently closed on December 10, 2009.
2. Spill No. 0913553 was opened on March 23, 2010 for the purpose of investigating groundwater conditions across the Site. The results of a groundwater investigation revealed petroleum contamination in soils and groundwater above applicable standards. Additionally, free-phase petroleum product was documented in monitoring wells in the northern and southern portions of the Site. This spill was subsequently closed on September 1, 2016, following the completion of remedial activities.

As detailed in the December 2016 FER prepared by C.T. Male, the Site remedy consisted of the following elements: removal of contaminated soils above commercial SCOs, placement of a Surface Cover System, installation of VI mitigation measures, and implementation of the SMP. The remedy for the Site was based on Industrial/Commercial Use incorporating engineering and institutional controls consistent with Track 4 cleanup levels promulgated at 6 NYCRR 375-3.8(e)(4). The remedy consisted of placement of capping materials (asphalt, concrete or vegetated soil) and localized excavation of grossly contaminated soils in conjunction with site development. The excavated material was removed from the Site and properly disposed. The SMP was approved in November 2016 and the COC was issued in December 2016.

At the time the COC was issued and with the Department's approval, various elements of the VI mitigation measures at the USAI Facility were still in progress, as allowed by NYSDEC. These elements included:

- Installation of a passive sub-slab depressurization system (SSDS) in Area 8; and,
- Installation of a vapor barrier and new concrete slab, elements of the passive SSDS, in Areas 4 and 7.

A passive SSDS was installed in Area 8 in accordance with the FER in March 2018. The installation of the SSDS in Area 8 is documented in the Construction Completion Report (CCR), dated and submitted to the Department on March 29, 2018. The installation of the SSDS in Area 8 fulfilled the requirements of the remedy for this portion of the Site. Subsequent to the installation of the SSDS, renovation work in Area 8 commenced in December 2021 and is substantially complete. Due to this work the passive SSDS in this area was modified and modifications are currently in progress. C.T. Male has provided oversight of these modifications and the completed SSDS will be documented in the 2023 PRR. Area 8 is anticipated to be reoccupied by office workers on July 2022 with a functional passive SSDS as per the FER and SMP.

The installation of the new concrete slab in Area 4 was observed to be completed in the Fall of 2021. Given that the installation of a portion of the slab in Area 4 was completed and other deficiencies in the ECs were not identified in the March 03, 2022 site visit. The installation of the SSDS in Area 4 fulfilled the requirements of the remedy for this portion of the Site.

Renovation plans for Area 7 were modified in 2019 and 2020. On December 19, 2019 C.T. Male petitioned NYSDEC on behalf of the client to waive the requirement for an SSDS in Area 7 as this area is anticipated to be open to the atmosphere with no renovation work to be conducted at this time.

Evaluate Remedy Performance, Effectiveness and Protectiveness

A trend analysis of total volatile organic compounds (VOCs) and total semi-volatile organic compounds (SVOCs) detected in groundwater and chlorinated solvents detected in the sub-slab vapor, indoor air and outdoor air samples collected during this reporting period are included in **Attachment A**.

Groundwater Data Trend Analysis

As shown on **Figure 2**, MW-1, MW-2 and MW-3R are situated from south to north, respectively, along the southeastern border of the Site. MW-4R is situated immediately south of and adjacent to Area 6A (stock room) of the building.

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Based on a review of a trend analysis of the groundwater data collected from 2018 through 2022, C.T. Male offers the following observations:

- MW-1: Reported concentrations of total VOCs have decreased over time while reported concentrations of total SVOCs have increased over time.
- MW-2: Reported concentrations of total VOCs have slightly decreased over time while reported concentrations of SVOCs have remained relatively constant.
- MW-3R: Reported concentrations of total VOCs and total SVOCs have decreased over time.
- MW-4R: Reported concentrations of total VOCs and total SVOCs have decreased over time.

Only detected VOCs and SVOCs concentrations were included in the trend analysis for groundwater. Tentatively identified compounds (TICs) information was not reported in the groundwater laboratory results and therefore it was not included in the trend analysis.

Petroleum impacts, represented by moderately fluctuating total VOCs and SVOCs concentrations, are likely indicative of residual petroleum-related contamination known to be present at the Site.

Soil Vapor and Ambient Air Data Trend Analysis

A map of the sub-slab, indoor air and outdoor air sampling locations is included as **Figure 3**. Indoor air analytical results are paired with corresponding sub-slab vapor analytical results in the four (4) areas currently monitored at the USAI Facility (Areas 2, 3A, 4 and 8). Soil vapor and indoor air samples are denoted with prefixes "VI" and "IA", respectively. Outdoor air analytical results serve as background concentrations and are denoted with prefixes "OA". Based on a review of a trend analysis of the sub-slab vapor, indoor and outdoor air data collected from 2017 through 2022, C.T. Male offers the following observations:

- Outdoor Areas:
  - OA-1: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly.

- Area 2 - Office space in the Production Area, in the western-central portion of the building:

- VI-3: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of 1,1,1-trichloroethane (1,1,1-TCA) and tetrachloroethylene (PCE). 1,1,1-TCA and PCE concentrations have significantly decreased over time.
- IA-3: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly.
- Comparison of chlorinated solvents concentrations in soil vapor and indoor air utilizing the applicable NYSDOH matrix triggered "No further action" in the March 2022 sampling event.

- Area 3A - Production Area in the central portion of the building:
  - VI-1: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of TCE and 1,1,1-TCA. TCE concentrations have increased over time. 1,1,1-TCA concentrations have decreased over time.
  - VI-2: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of PCE and methylene chloride. Methylene chloride concentrations have increased over time. PCE concentrations have decreased over time.
  - IA-2: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of carbon tetrachloride.
  - Comparison of chlorinated solvents concentrations in soil vapor and indoor air utilizing the applicable NYSDOH matrix triggered "No further action" in the March 2022 sampling event.

- Area 4 (Area with unfinished concrete slab, not currently occupied):
  - No samples were collected in Area 4 in 2019 and 2020 at the discretion of the Department as the Department indicated that samples should not be collected while the portion of the slab remained open. Samples were collected in March 2022 following the installation of the concrete slab.
  - VI-4: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly with exception of PCE. PCE concentrations have increased over time.
  - IA-1: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly.
  - Comparison of chlorinated solvents concentrations in soil vapor and indoor air utilizing the applicable NYSDOH matrix triggered "No further action" in the March 2022 sampling event.

- Area 8 (2-story office building, located in the southernmost portion of the facility):
  - Area 8 is currently undergoing renovation work and was not sampled in March 2022. In lieu of current analytical data, the following trend analysis is provided, which is based on previous sampling activities in 2018, 2019 and 2020.
  - VI-5: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of PCE and TCE. PCE concentrations have decreased over time. TCE concentrations have slightly increased over time.
  - IA-4: Generally, reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of PCE and carbon tetrachloride. PCE concentrations have slightly increased over time. Carbon tetrachloride concentrations have slightly decreased over time.
  - Comparison of chlorinated solvents concentrations in soil vapor and indoor air utilizing the applicable NYSDOH matrix triggered "No further action" in previous sampling events.

IC/EC Plan Compliance Report

The listed institutional and engineering controls (IC/ECs) listed in the SMP are still applicable and required for the Site. Deficiencies in the engineering controls (ECs) for the Site were not identified during the March 2022 site inspection. A completed IC/EC Inspection Form has not been received from NYSDEC. Once available, the Form with the appropriate signatures will be submitted to NYSDEC and included in this Report as **Attachment B**.

Monitoring Plan Compliance Report

Monitoring requirements consist of on annual site-wide inspections and post-remediation media monitoring. The site-wide inspection documents the integrity of the Surface Cover System and the VI mitigation measures. The site-wide inspection was conducted on March 3, 2022 in accordance with the SMP. The observations and finding of the annual site-wide inspection are presented in the "Operation & Maintenance Plan Compliance Report" section (below) of this PRR.

The post remediation media monitoring consists of groundwater and VI sampling and laboratory analysis. Post-remediation media monitoring was performed in accordance

with the SMP for this monitoring period which is documented in the following correspondence with NYSDEC:

- USAI Lighting Facility (C336087) - February 2022 Groundwater Sampling Results
- USAI Lighting Facility (C336087) - March 2022 Soil Vapor/Ambient Air Sampling Results

No exceedances were documented in the February 2022 groundwater sampling event. No concentrations triggering the applicable matrix were documented in the March 2022 soil vapor/ambient air sampling event. Copies of correspondences with the Department documenting these sampling events are included in **Attachment C** and include tables comparing the analytical results to applicable standard and guidance.

Based on the data collected during this reporting period, no response actions are warranted relative to groundwater or VI monitoring at this time.

Operation & Maintenance Plan Compliance Report

The operation and maintenance (O&M) plan for the Surface Cover System consist of the maintenance and periodic inspection the Surface Cover System. The Surface Cover System is comprised of the following: 12 inches of clean soil (south side of Site), existing soil (north side of the Site), asphalt pavement, concrete covered, sidewalks, and/or concrete building slabs. The integrity of the concrete building slab was also assessed to determine the condition of the VI mitigation measures pertaining to the slab (i.e. sealing of cracks, etc.).

Observations of the Surface Cover System were conducted on March 3, 2022. No deficiencies related to the Surface Cover System were identified in the March 2022 site inspection. The Site Inspection Forms for each inspection are included in **Attachment B**.

There is no O&M plan for the passive SSDS given the nature of a passive system (i.e., no mechanical components). An O&M plan for the SSDS will be prepared in the event the SSDS be converted to an active system in accordance with the SMP. C.T. Male's observations on the integrity of the building slab, a component of the passive SSDS where a passive system exists, is presented under the Surface Cover System O&M inspection (above).

Renovation work in Area 8 (2-story building) commenced in December 2021 and is substantially complete. Due to this work the passive SSDS in this area was modified and

modifications are currently in progress. C.T. Male has provided oversight of these modifications and the completed SSDS will be documented in the 2023 PRR. Area 8 is anticipated to be reoccupied by office workers on July 2022 with a functional passive SSDS as per the FER and SMP.

A Vapor Intrusion Mitigation Measures Assessment Form was completed and is included in **Attachment B**.

Overall PRR Conclusions and Recommendations

The following conclusions and recommendations relative to compliance with the SMP are provided:

1. Groundwater Use Restriction: Requirements were met during the reporting period.

2. Land Use Restriction: Requirements were met during the reporting period.

3. Site Management Plan: Requirements were met during the reporting period.

4. Monitoring Plan: Requirements were met during the reporting period. Monitoring of VI shall continue on an annual basis, with the next sampling event in 2023. C.T. Male would like to petition the Department to reduce the sampling frequency for groundwater monitoring from annually to triennially (i.e. every three years) with the next sampling event in 2025.

5. IC/EC Plan: Requirements were met during the reporting period..

6. Surface Cover System: Requirements were met during the reporting period. Any future disturbance shall be implemented in accordance with the SMP.

7. VI Mitigation Measures: Requirements were met during the reporting period.

8. Based on C.T. Male's evaluation of the components of the SMP, the remedy is achieving the remedial objectives for the Site.

9. The frequency of the submittal of the PRR should not be changed at this time.

10. Site management shall be continued.

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Green Remediation Evaluation

According to Section 6.2 of the SMP, green remediation evaluations completed during site management shall be reported in the PRR. Included as **Attachment D** is the completed "Summary of Green Remediation Metrics for Site Management" form.

Certifications

For each institutional or engineering control identified for the Site, I certify, to the best of my knowledge, that the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering controls employed at this Site are unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;
- 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;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- 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 in this report is accurate and complete.

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A completed IC/EC Inspection Form has not been received from NYSDEC. Once available, the Form with the appropriate signatures will be submitted to NYSDEC and included in this Report as **Attachment B**.

To the best of my knowledge, I certify that all information and statements in this certification form 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, Rosaura Andújar-McNeil, of C.T. Male Associates at 12 Raymond Avenue, Poughkeepsie, New York, 12603 am certifying on behalf of BDL, LLC, the Owner/Remedial Party for the Site.

Sincerely,
C.T. MALE ASSOCIATES

Rosaura Andújar-McNeil, P.E.
Project Environmental Engineer

Attachments:

Figure 1: Site Location Map
Figure 2: Monitoring Well Location Map
Figure 3: Sub-slab Vapor and Air Sampling Location Map

Attachment A:	Trend Analysis – Groundwater and Soil Vapor/Ambient Air
Attachment B:	EC/IC Site Forms - I/ECs Certification Form, VI Mitigation Measures Assessment Form, and SMP Inspection Form
Attachment C:	2022 Sampling Correspondence
Attachment D:	Green Remediation Metrics for Site Management Form

ec: Kevin Goggin, iSER Consulting
Sue Sullivan, iSER Consulting
Sara Bogardus, NYSDOH
James D. McIver, P.G., C.T. Male
Kristine Garbarino, P.G., C.T. Male
Jeffrey Marx, P.E., C.T. Male

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2021 – 2022 PRR – USAI Light Facility (BCP Site ID: C336087)

Figure 1: Site Location Map

MAP REFERENCE
Orange County Parcel Access
Date accessed: 2/4/2021

N

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LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SITE LOCATION MAP

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR	ORANGE COUNTY, NY
SCALE: NTS	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: RAM	
PROJECT No: 14.4337	

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Figure 2: Monitoring Well Location Map

MAP REFERENCE
Orange County Parcel Access
Date accessed: 2/4/2021

Legend:

◑ Monitoring Wells Sampled as Per SMP

N

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FIGURE 2 - MONITORING WELLS LOCATION MAP

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR	ORANGE COUNTY, NY

SCALE: NTS

DRAFTER: RAM

PROJECT No: 14.4337

The locations and features depicted on this map are approximate and do not represent an actual survey.

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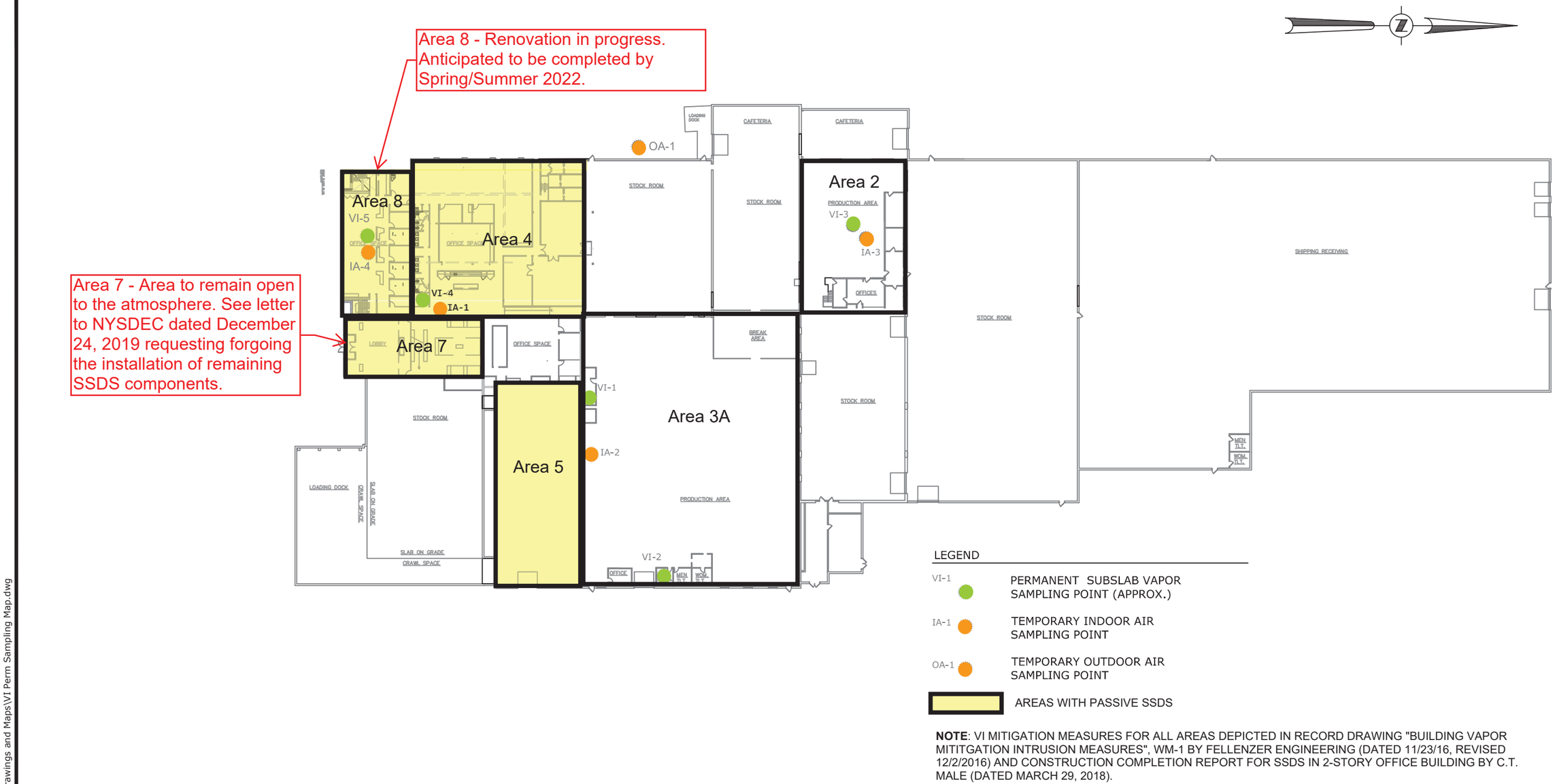
Figure 3: Sub-slab Vapor and Air Sampling Location Map

XREFS: NONE

PROJECT NUMBER: 14.4337

CAD DWG. FILE NAME: VI Perm Sampling Map.dwg

CAD DWG. FILE NAME: K:\Projects\14437\Env\Drawings and Maps\VI Perm Sampling Map.dwg



NOTE: VI MITIGATION MEASURES FOR ALL AREAS DEPICTED IN RECORD DRAWING "BUILDING VAPOR MITITGATION INTRUSION MEASURES", WM-1 BY FELLENZER ENGINEERING (DATED 11/23/16, REVISED 12/2/2016) AND CONSTRUCTION COMPLETION REPORT FOR SSDS IN 2-STORY OFFICE BUILDING BY C.T. MALE (DATED MARCH 29, 2018).

NOTE:
THE LOCATIONS AND FEATURES DEPICTED IN THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY BY C.T. MALE.

MAP REFERENCE:
BUILDING FLOOR PLAN PROVIDED BY FELLENZER ENGINEERING LLP OF MIDDLETOWN, NY.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
3/29/19	1	Sampling locations modified	RAM		
4/13/20	2	SSDS loc. and other areas/shading	RAM		
1/27/21	3	ECs deficiencies per 1/25/2021 visit	RAM		
	4				
	5				
	6				
	7				
	8				
	9				

DESIGNED :
DRAFTED : J.MARX
CHECKED : J.MCIVER
PROJ. NO : 14.4337
SCALE : NOT TO SCALE
DATE : MAY 2, 2017

FIGURE
VAPOR INTRUSION SAMPLING LOCATIONS

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR — ORANGE COUNTY, NEW YORK

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SHEET 1 OF 1

DWG. NO: 17-288

C.T. MALE ASSOCIATES

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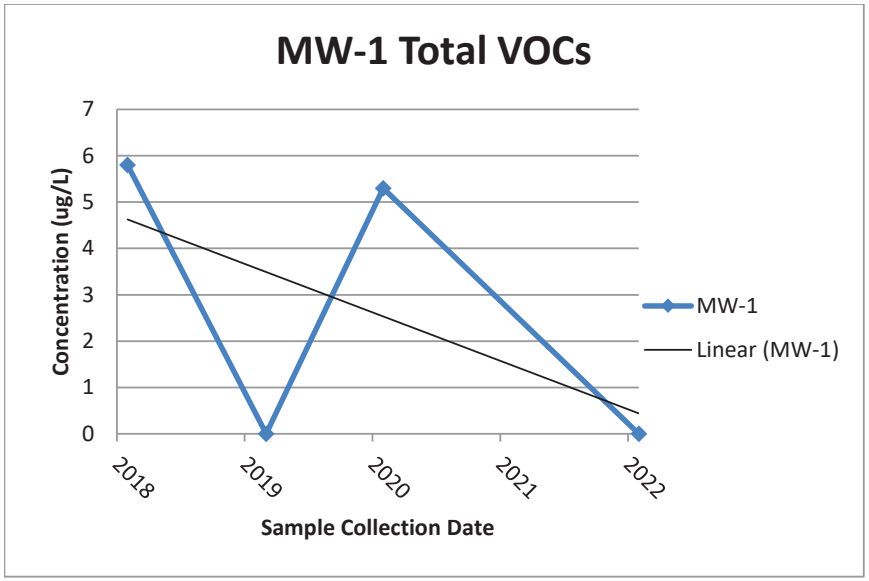
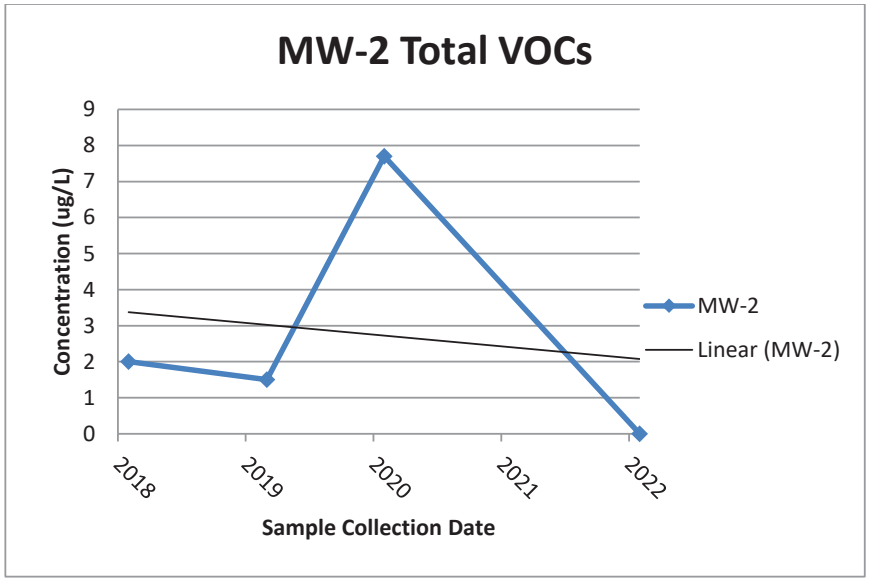
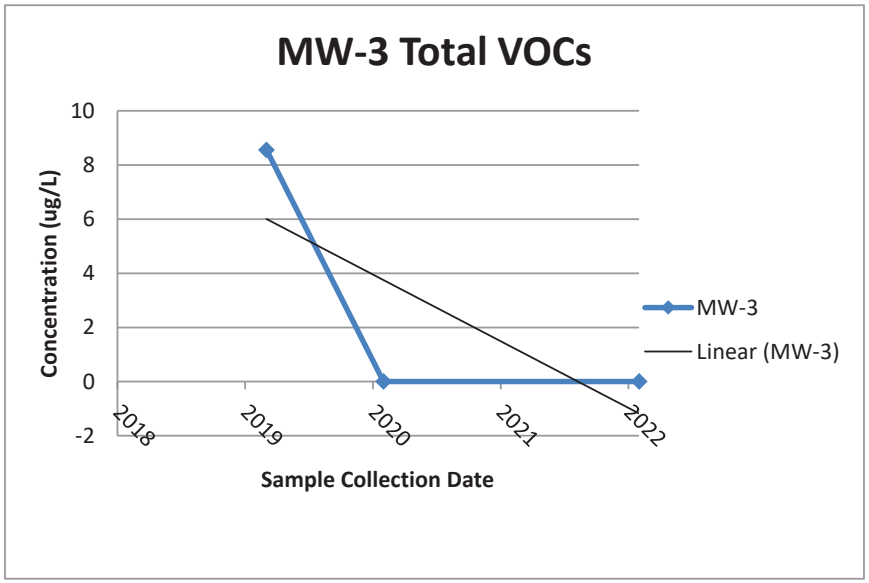
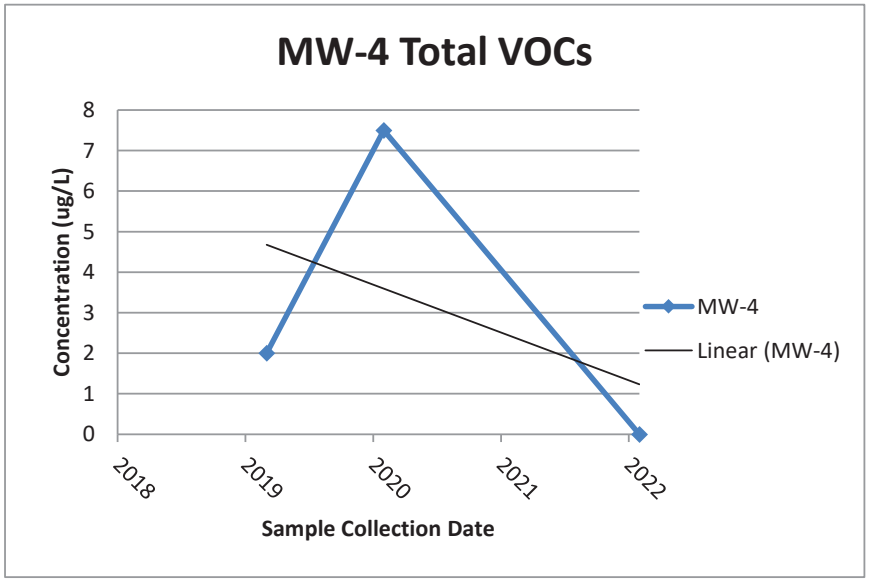
Attachment A: Trend Analysis

USAI LIGHTING SITE
NEW WINDSOR, NEW YORK
TOTAL VOCs IN GROUNDWATER (2018-2020)

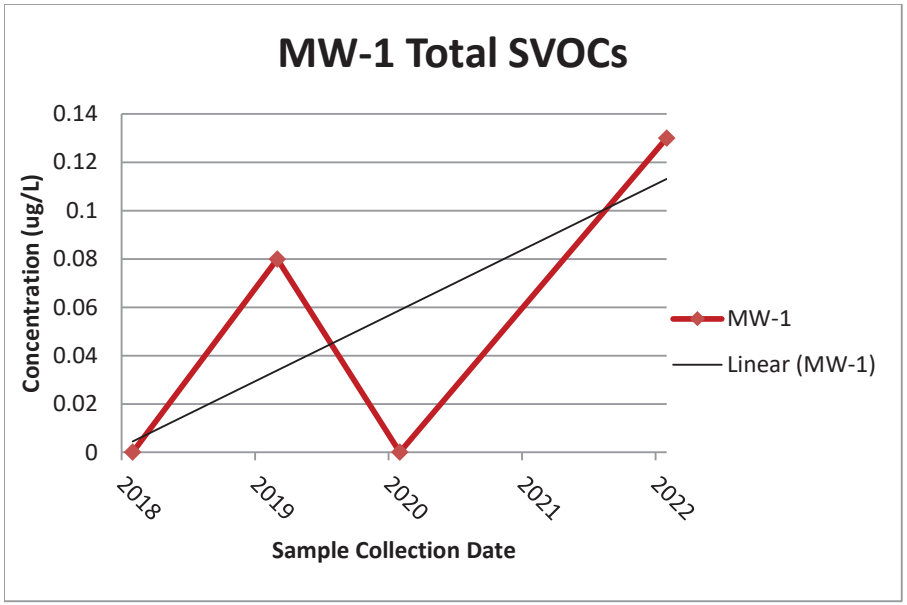


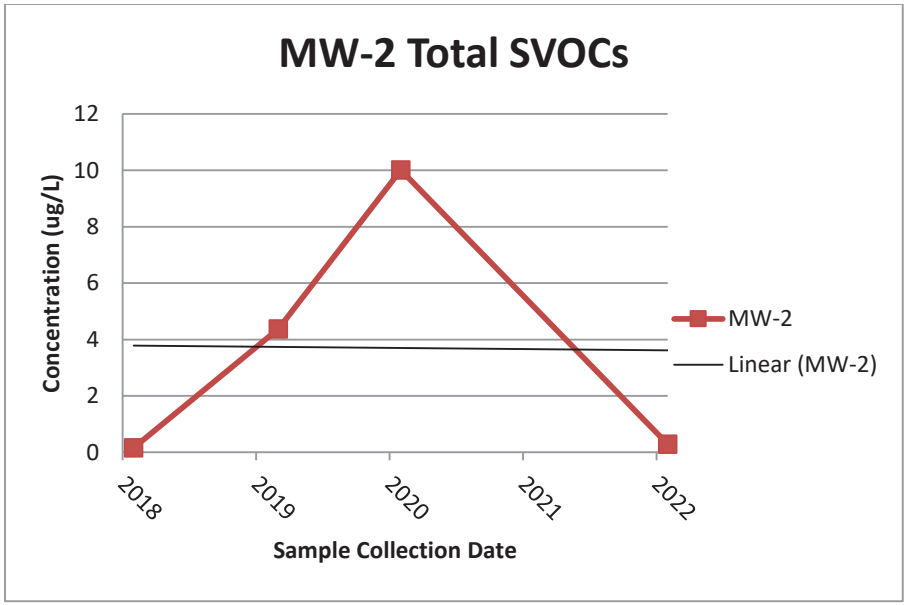


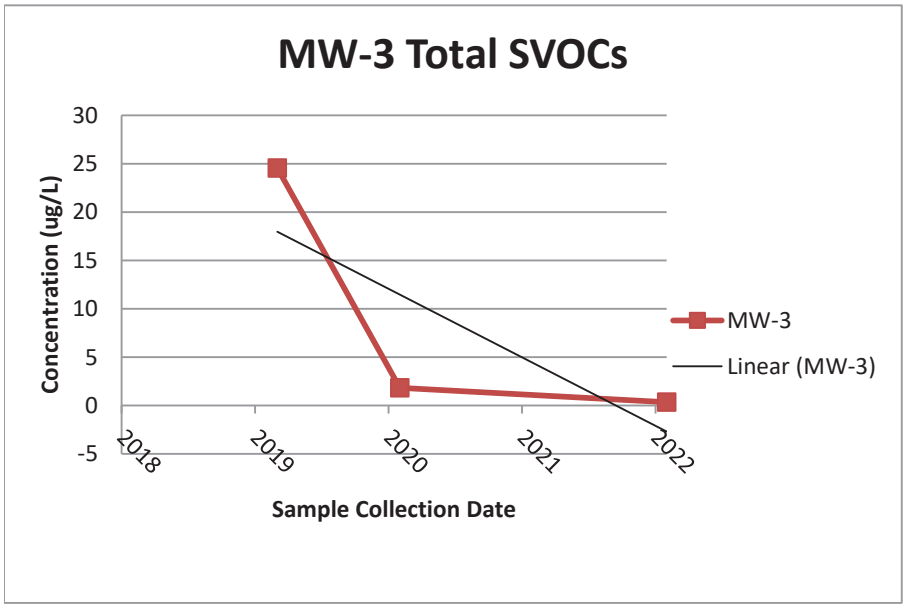


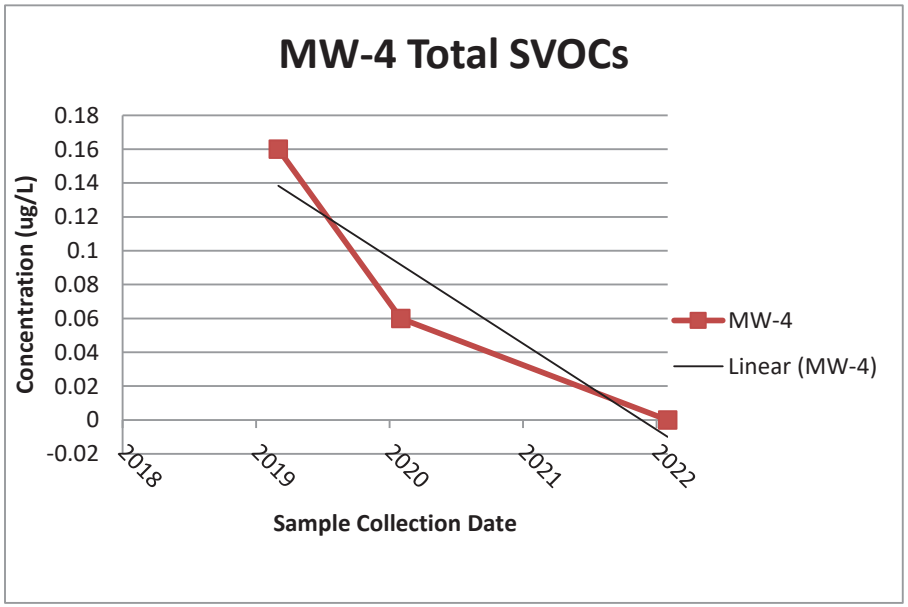


USAI LIGHTING SITE
NEW WINDSOR, NEW YORK
TOTAL SVOCs IN GROUNDWATER (2018-2020)

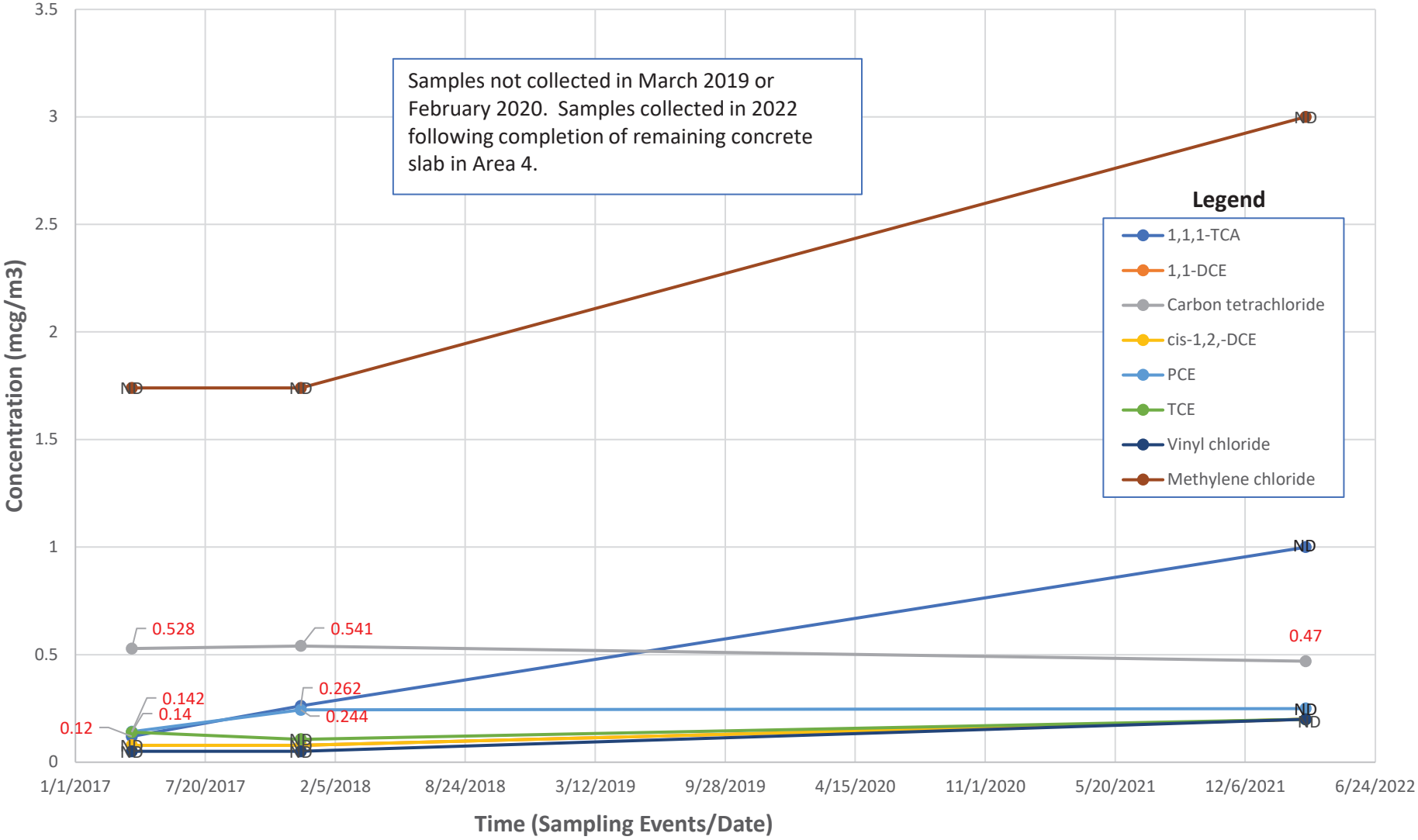




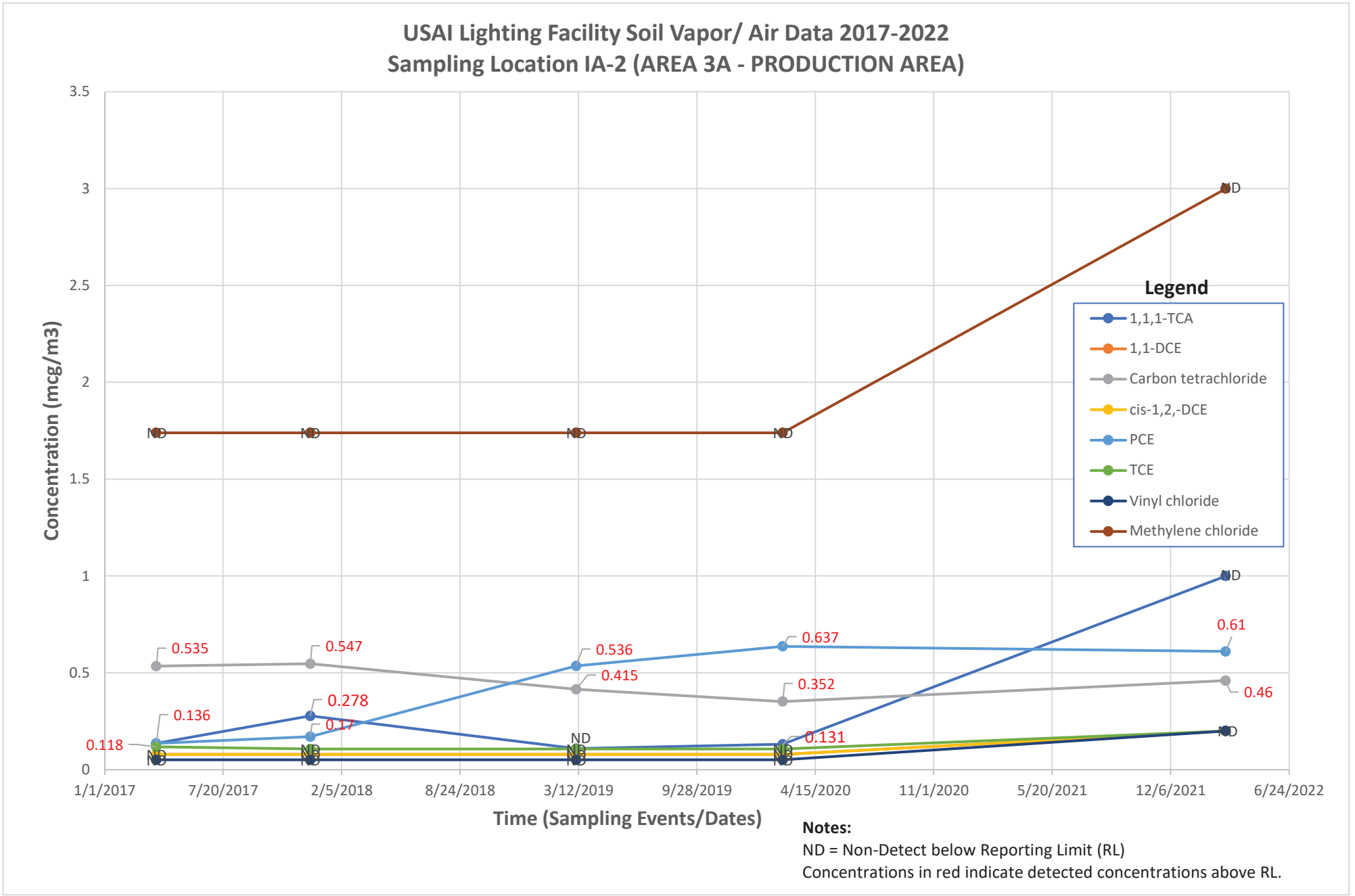




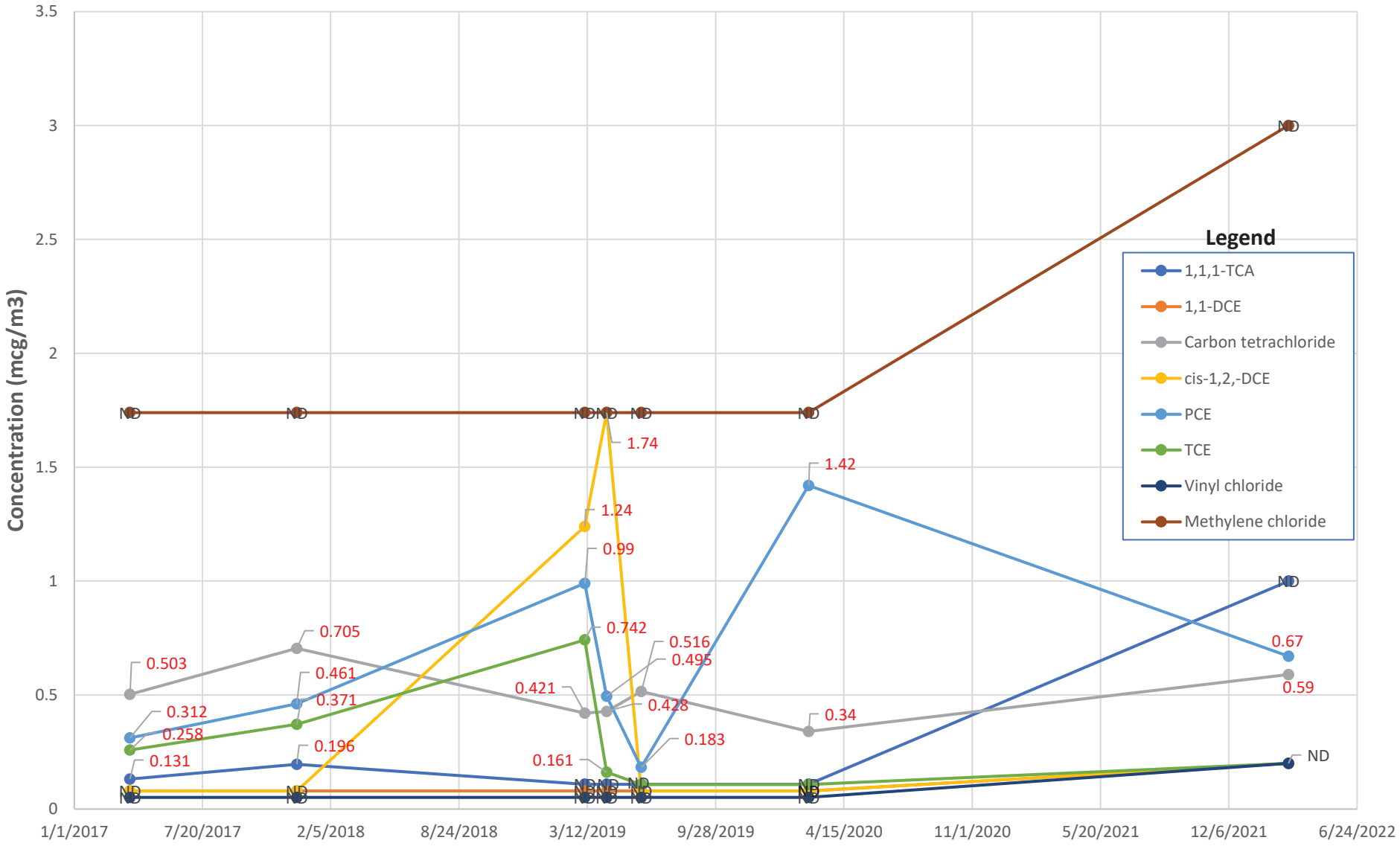
USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location IA-1 (AREA 4 - ADJACENT TO 2-STORY OFFICE BUILDING)



Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.


USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location IA-2 (AREA 3A - PRODUCTION AREA)
Concentration (mcg/m3)
Time (Sampling Events/Dates)
3.5
3
2.5
2
1.5
1
0.5
0
1/1/2017
7/20/2017
2/5/2018
8/24/2018
3/12/2019
9/28/2019
4/15/2020
11/1/2020
5/20/2021
12/6/2021
6/24/2022
Legend
1,1,1-TCA
1,1-DCE
Carbon tetrachloride
cis-1,2,-DCE
PCE
TCE
Vinyl chloride
Methylene chloride
ND
0.535
0.547
0.536
0.415
0.352
0.46
0.637
0.61
0.136
0.278
0.17
0.118
0.131
Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.

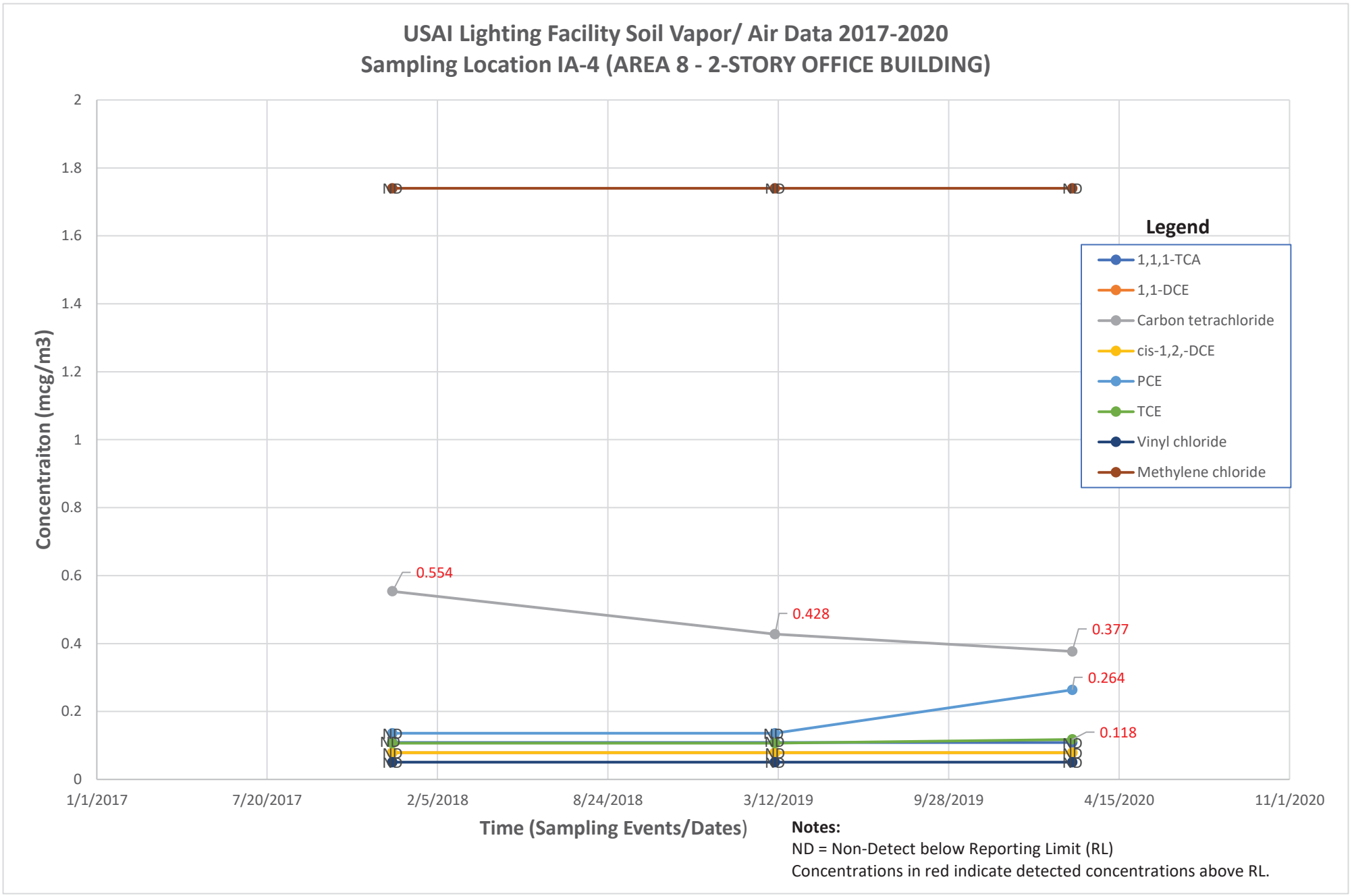
USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location IA-3 (AREA 2 - OFFICE SPACE IN PRODUCTION AREA)

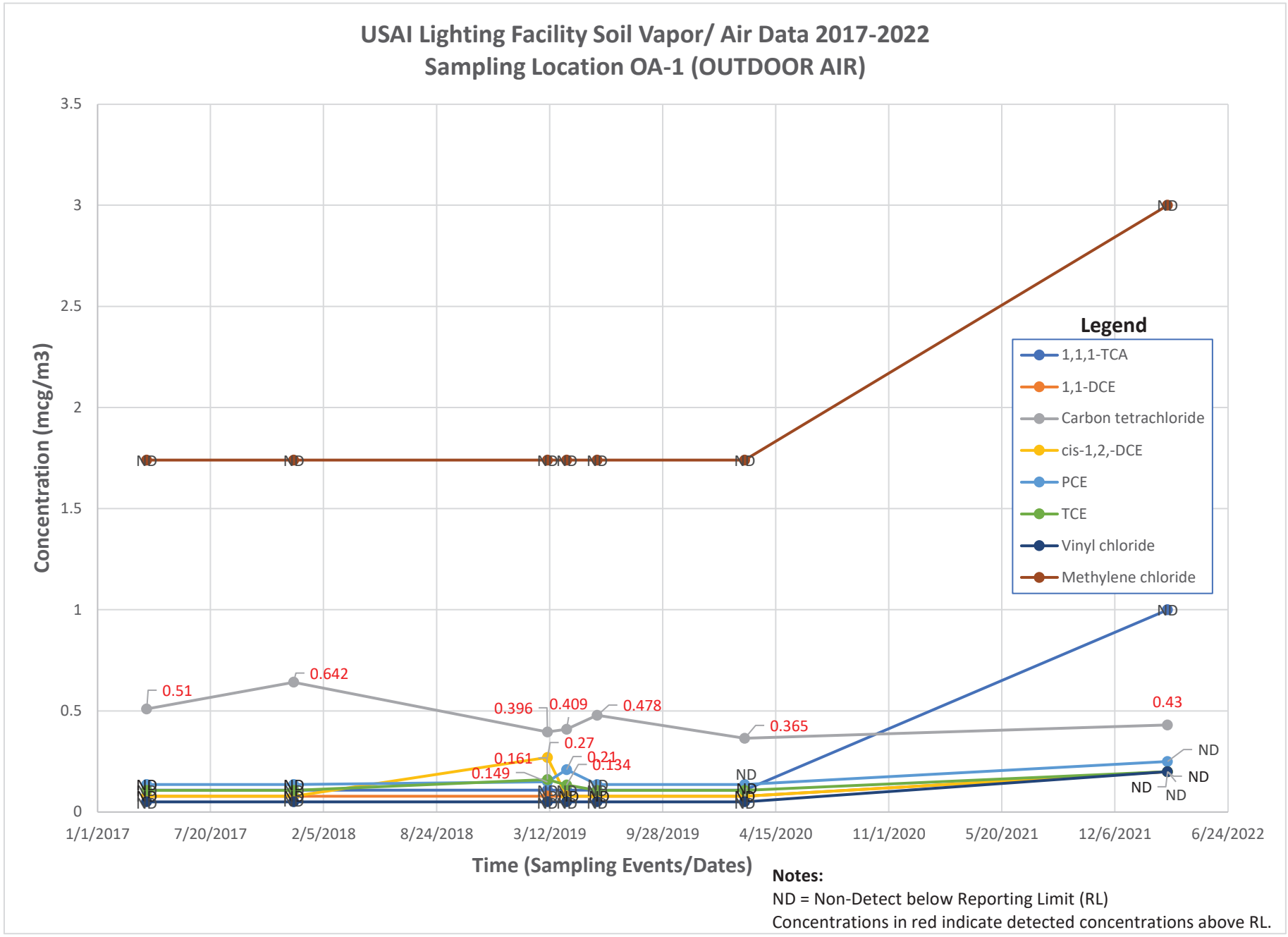


Notes:

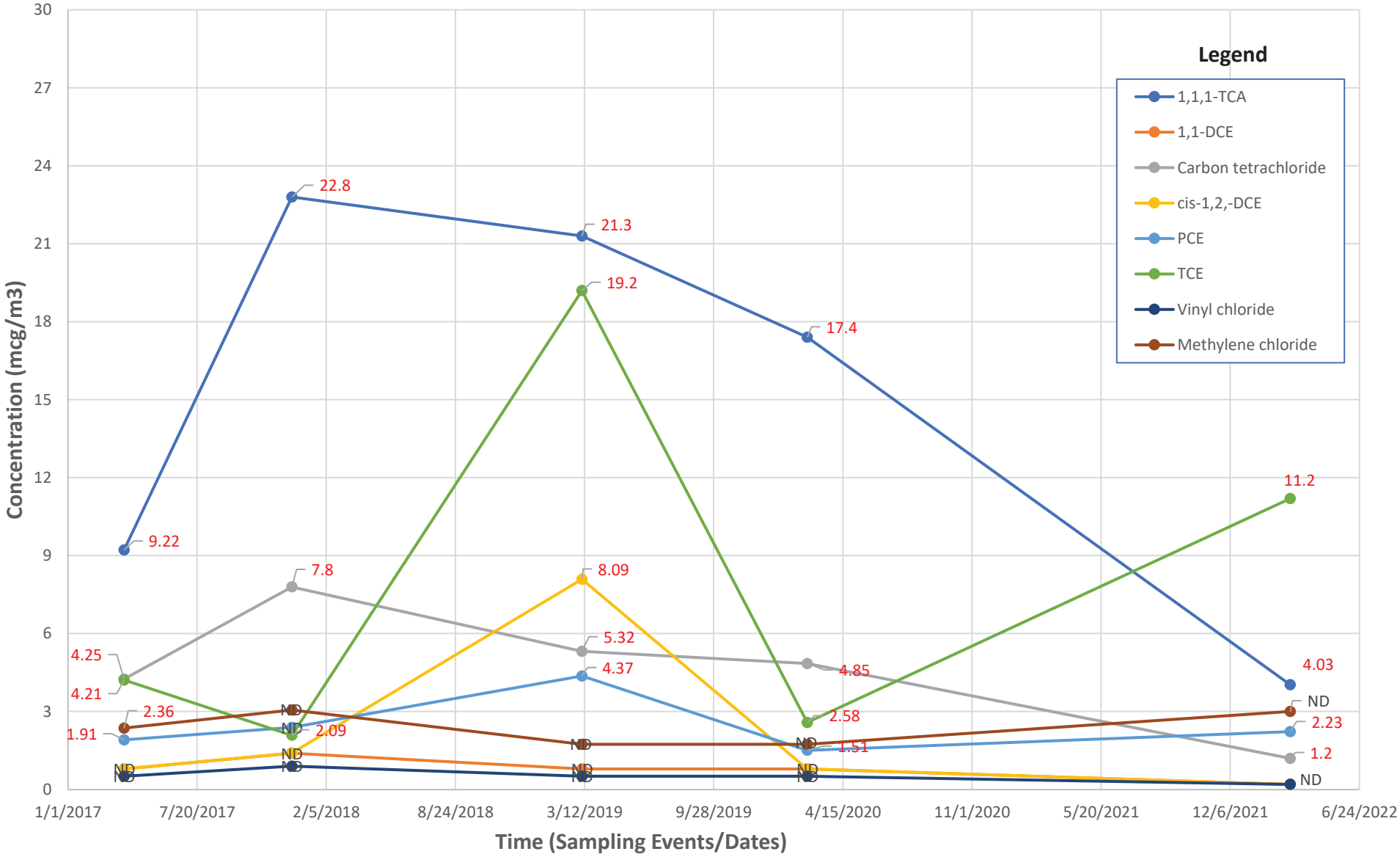
ND = Non-Detect below Reporting Limit (RL)

Concentrations in red indicate detected concentrations above RL.

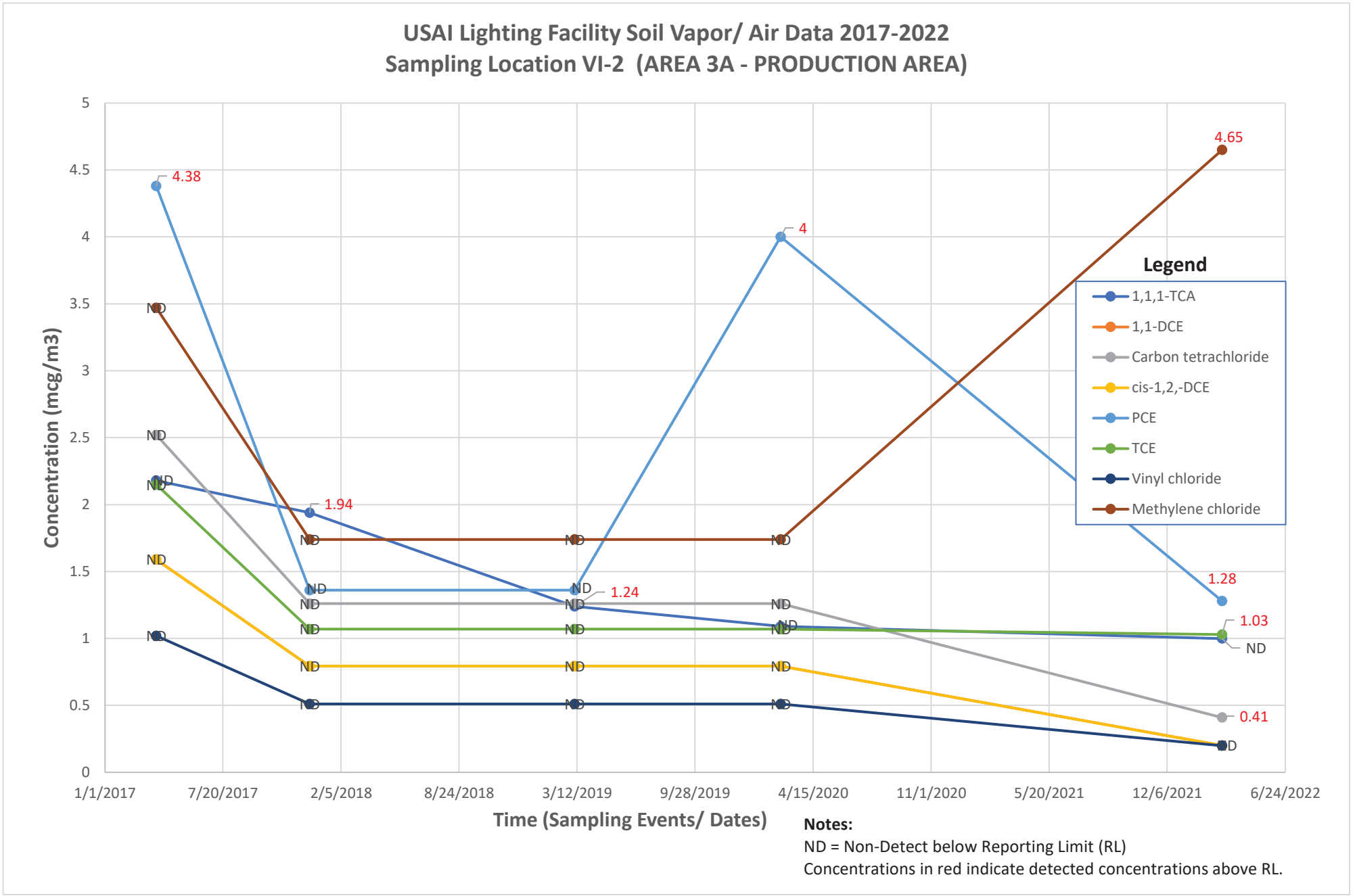

USAI Lighting Facility Soil Vapor/ Air Data 2017-2020
Sampling Location IA-4 (AREA 8 - 2-STORY OFFICE BUILDING)
Concentraiton (mcg/m3)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1/1/2017
7/20/2017
2/5/2018
8/24/2018
3/12/2019
9/28/2019
4/15/2020
11/1/2020
Time (Sampling Events/Dates)
Legend
1,1,1-TCA
1,1-DCE
Carbon tetrachloride
cis-1,2,-DCE
PCE
TCE
Vinyl chloride
Methylene chloride
ND
0.554
0.428
0.377
0.264
0.118
Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.

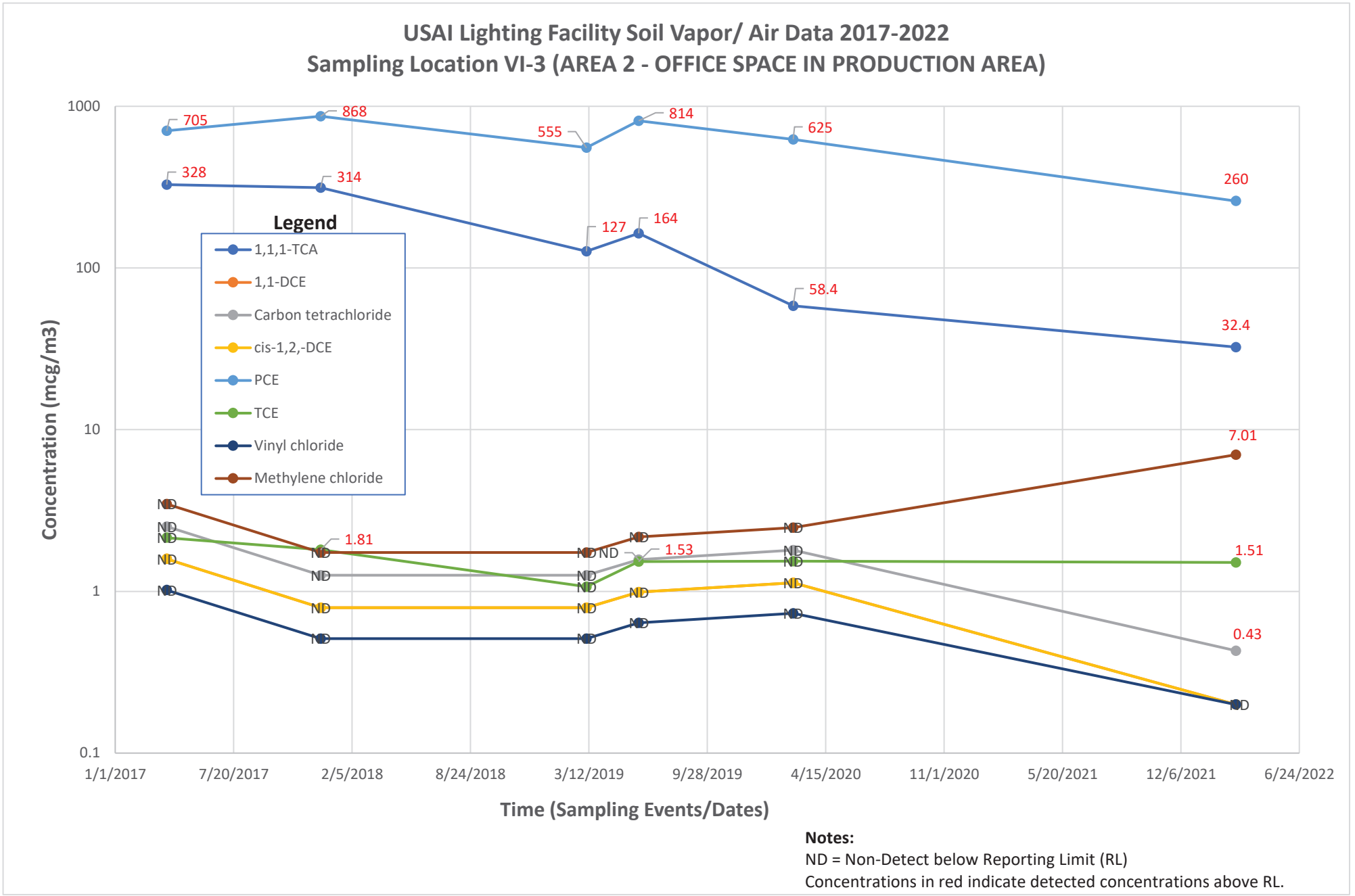

USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location OA-1 (OUTDOOR AIR)
Concentration (mcg/m3)
Time (Sampling Events/Dates)
3.5
3
2.5
2
1.5
1
0.5
0
1/1/2017
7/20/2017
2/5/2018
8/24/2018
3/12/2019
9/28/2019
4/15/2020
11/1/2020
5/20/2021
12/6/2021
6/24/2022
Legend
1,1,1-TCA
1,1-DCE
Carbon tetrachloride
cis-1,2,-DCE
PCE
TCE
Vinyl chloride
Methylene chloride
0.51
0.642
0.396
0.409
0.478
0.365
0.43
0.161
0.27
0.21
0.134
0.149
ND
Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location VI-1 (AREA 3A - PRODUCTION AREA)

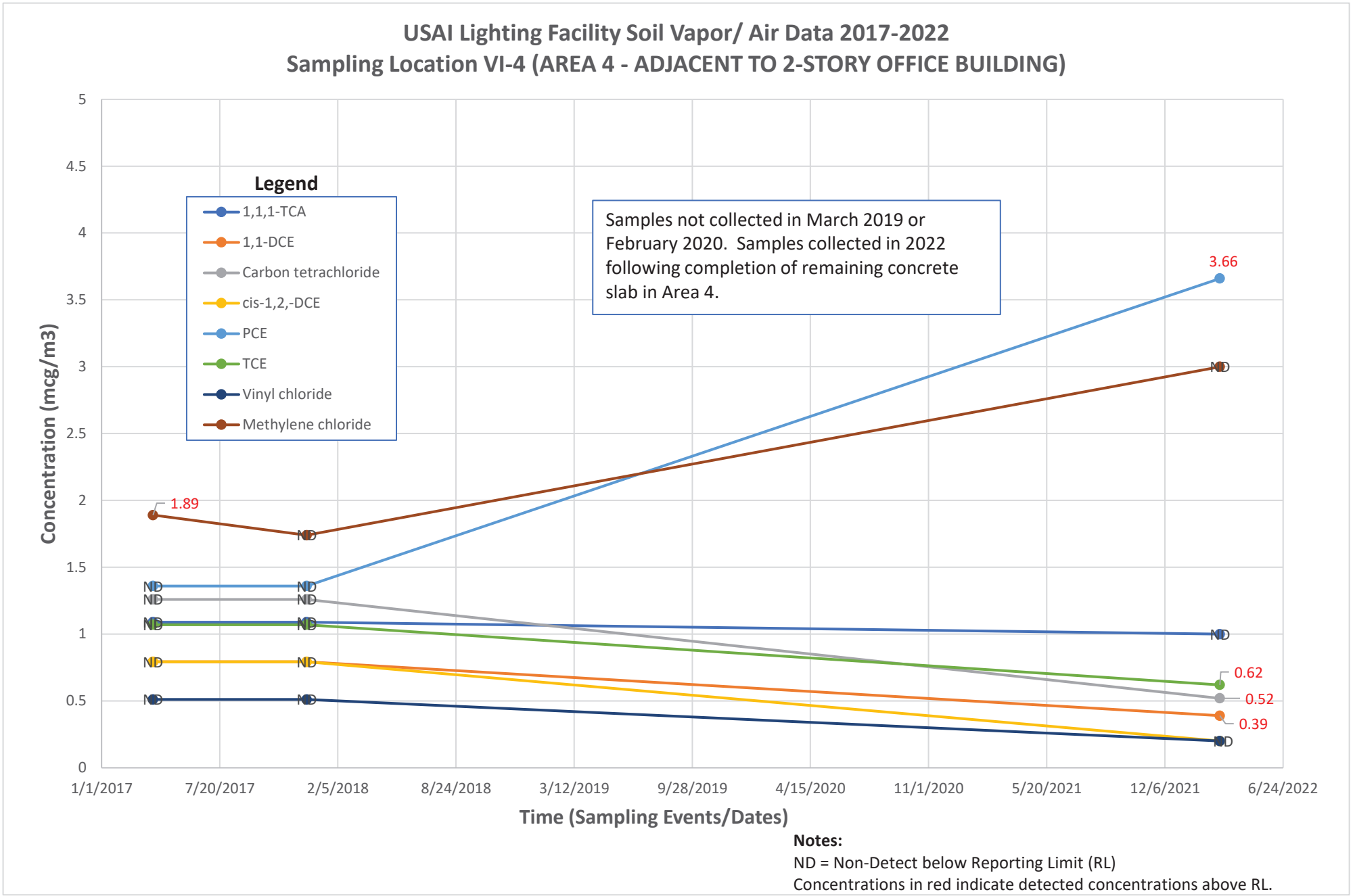


Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.

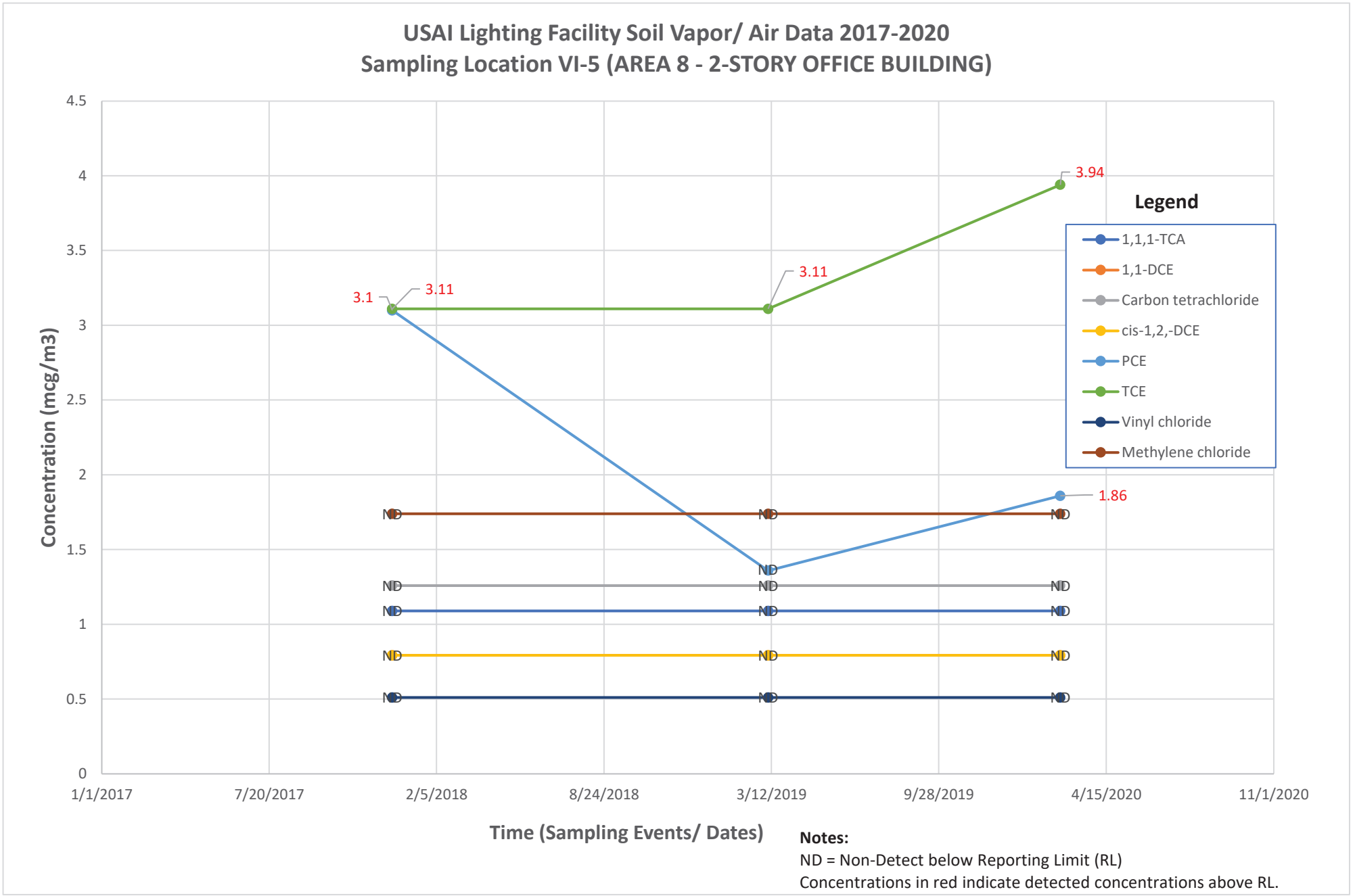

USAI Lighting Facility Soil Vapor/ Air Data 2017-2022
Sampling Location VI-2 (AREA 3A - PRODUCTION AREA)
Concentration (mcg/m3)
Time (Sampling Events/ Dates)
1/1/2017
7/20/2017
2/5/2018
8/24/2018
3/12/2019
9/28/2019
4/15/2020
11/1/2020
5/20/2021
12/6/2021
6/24/2022
Legend
1,1,1-TCA
1,1-DCE
Carbon tetrachloride
cis-1,2,-DCE
PCE
TCE
Vinyl chloride
Methylene chloride
4.38
1.94
1.24
4
4.65
1.28
1.03
0.41
ND
Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.



Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.



Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.


USAI Lighting Facility Soil Vapor/ Air Data 2017-2020
Sampling Location VI-5 (AREA 8 - 2-STORY OFFICE BUILDING)
Concentration (mcg/m3)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/1/2017
7/20/2017
2/5/2018
8/24/2018
3/12/2019
9/28/2019
4/15/2020
11/1/2020
Time (Sampling Events/ Dates)
Legend
1,1,1-TCA
1,1-DCE
Carbon tetrachloride
cis-1,2,-DCE
PCE
TCE
Vinyl chloride
Methylene chloride
3.1
3.11
3.11
3.94
1.86
ND
Notes:
ND = Non-Detect below Reporting Limit (RL)
Concentrations in red indicate detected concentrations above RL.

C.T. MALE ASSOCIATES

April 22, 2022
Mr. Matthew Hubicki
2021 – 2022 PRR – USAI Light Facility (BCP Site ID: C336087)

Attachment B: EC/IC Site Forms - I/ECs Certification Form, VI Mitigation Measures Assessment Form, and SMP Inspection Form

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

12 Raymond Avenue, Poughkeepsie, New York 12603
845.454.4400 www.ctmale.com

USAI LIGHTING FACILITY SITE (C336087)
SITE MANAGEMENT PLAN (SMP) INSPECTION FORM

Date of Inspections	June 9, 2021 (ML); March 3, 2022 (KG); March 21, 2022 (ML)
Personnel Performing Inspection	Kristine Garbarino, P.G. (KG); and Mary Loughlin (ML)
Weather Conditions	Sunny, ~85 ^{o}F (6/9/21); Mostly Sunny, ~37 ^{o}F (3/3/22); Sunny, ~55 ^{o}F (3/21/22)
Institutional Controls (List)	Site Management Plan Implementation
	Groundwater Use Restriction Without Treatment
	Use Restriction (Restricted Commercial and Industrial)
Engineering Controls (List)	Surface Cover System (site-wide)
	Vapor Intrusion (VI) Mitigation Measures

This SMP Inspection Form shall be utilized to document the observations of the USAI Lighting Facility BCP Site located at 1126 River Road in the Town of New Windsor, Orange County, New York. These observations are to confirm the following:

- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;

- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any SMP for this control;
- 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;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;

General Surface Condition

Has the overall condition of the cover system changed from the previous inspection? Yes ☒ No ☐

If Yes, provide detail below and identify on Site Plan

The slab in Area 4 has been poured since the last inspection. The slab for the entire building is now complete.

Excavation occurred at selected locations (see site plan) for the installation of utilities and construction activities. The cover system will be restored under C.T. Male oversight.

Is there evidence that the site been disturbed for utility repair or construction? Yes ☒ No ☐

If Yes, provide detail below and identify on Site Plan

New utilities were installed in 2021 as part of the renovation activities. See above.

Groundwater Use

Is there evidence of groundwater use? Yes ☐ No ☒
If Yes, provide detail below

If groundwater use is occurring, is there treatment? Yes ☐ No ☒
If Yes, provide type of treatment below

If groundwater treatment is occurring, did NYSDEC and NYSDOH approve such treatment? Yes ☐ No ☒
If Yes, provide detail on their approval below

Site Use

Is there evidence of site use for activities not allowed by the restricted commercial use BCP definition? Yes ☐ No ☒
If Yes, provide detail below

USAI Lighting Facility
BCP ID: C336087

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Date of Inspections	March 3, 2022
Personnel Performing Inspection	Kristine Garbarino, P.G.

Area Number and Label*	Location	VI Mitigation Measure**	Condition of Visible Components of VI Mitigation Measure	Corrective Action Y/N	Notes
1 Stock Room	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6″)	Good	N	Equipment assembly area.
2 Production Areas and Offices	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6″)	Good	N	Used for offices and storage.
3A Production Area	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6″)	Good	N	Fully occupied.
3B Stock Room	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6″)	Good	N	Used for storage. Portions of the slab not visible due to storage of product.
4 Office Space	South-west	Slab to remain, import ¾″ stone, 4-inch dia. vent piping in 2016, 10 mil vapor barrier, new concrete slab	Good	N	
5 Not labeled but area used as cafeteria	South-east	Slab to remain, import ¾″ stone, 3-inch dia. vent piping, 10 mil vapor barrier, new concrete slab	Good	N	Area used as cafeteria.
6A Stock Room	South-east	New 1/4″ thick epoxy coating atop existing concrete floor	Good	N	
6B Loading Dock	South-east	Slab to remain, 10 mil vapor barrier, new concrete slab (6″)	Good	N	

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Area Number and Label*	Location	VI Mitigation Measure**	Condition of Visible Components of VI Mitigation Measure	Corrective Action Y/N	Notes
7 Lobby	South-central	Import ¾" stone (min 16 inches), 4-inch dia. vent piping in 2016. 10 mil vapor barrier and new concrete slab not installed.	Sub-slab piping and stone installed in 2016. Area no longer to be used as interior space. Area to remain open to the atmosphere.	N	Area vacant. Currently open to the atmosphere. No renovations are intended for this area at this time.
8 Office Space	South-west	Retrofit passive SSDS installed in 2018. Stone installed at suction points. 3-inch dia. vent piping. Existing slab remains.	Excellent.	N	Known as "2-story office Building". Area to be renovated in 2021. SSDS will require modifications during renovation activities.
9 Storage Room	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6")	Excellent	N	Used as storage. Portions of the slab not visible due to storage of product.
10 Stock Room	North	Concrete floor cracks sealed with epoxy	Good. Previously identified cracks addressed as part of the CMWP in the fall of 2021.	N	Storage space.
11 Shipping Receiving	North	Concrete floor cracks sealed with epoxy	Good. Previously identified cracks addressed as part of the CMWP in the fall of 2021.	N	Storage space.
15 Labeled as "Cafeteria" but used by Engineering	Central	New ¼" thick epoxy coating atop of existing concrete floor	Good.	N	Currently used as storage space and engineering area.

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Area Number and Label*	Location	VI Mitigation Measure**	Condition of Visible Components of VI Mitigation Measure	Corrective Action Y/N	Notes
16 Office Space	South-central	Concrete floor, cracks sealed with epoxy	Good. Previously identified cracks addressed as part of the CMWP in the fall of 2021.	N	Storage and office space.

Notes:
* Per depiction in "VI Mitigation Measures Map" by C.T. Male Associates, dated December 1, 2016
** Per depiction in "Building Vapor Mitigation Intrusion Measures" drawing by Fellenzer Engineering LLP, dated December 9, 2016, except as follow: (1) Areas 12, 13 and 14 not depicted on the Fellenzer drawing. (2) Areas 7 and 8 not as depicted in Fellenzer drawing as SSDSs were modified subsequent to VI mitigation measures installation.
Areas needing corrective action are **bold and highlighted yellow**.

Passive Sub-Slab Depressurization System (SSDS)

Areas needing corrective action are **bold and highlighted yellow.**

For each passive SSDS indicate:

Area and Location:	**Area 4 Recently Renovated**
Condition of the concrete slab:	**Slab complete and in good condition.**
Number of SSDS exhaust pipes:	2
Condition of the SSDS exhaust pipes:	Good.
Obstruction to air flow at the SSDS exhaust pipes? (Y/N)	Not observed. Client/owner to provide photographs.

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Area and Location:	**Area 4 Recently Renovated**
Visible SSDS piping labeled? (Y/N)	Y
Corrective Action (Y/N)? If Y, indicate:	N
Additional Comments:	None.

Area and Location:	**Area 5 (Cafeteria)**
Condition of the concrete slab:	Good
Number of SSDS exhaust pipes:	2
Condition of the SSDS exhaust pipes:	**Good.**
Obstruction to air flow at the SSDS exhaust pipes? (Y/N)	Not observed. Client/owner to provide photographs.
Visible SSDS piping labeled? (Y/N)	Y
Corrective Action (Y/N)? If Y, indicate:	N
Additional Comments:	None.

Area and Location:	**Area 8 (2-story office building) Note: Area currently under renovation.**
Condition of the concrete slab:	Good
Number of SSDS exhaust pipes:	1
Condition of the SSDS exhaust pipes:	Good.

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Area and Location:	**Area 8 (2-story office building) Note: Area currently under renovation.**
Obstruction to air flow at the SSDS exhaust pipes? (Y/N)	N
Visible SSDS piping labeled? (Y/N)	N. To be labeled during the following renovation.
Corrective Action (Y/N)? If Y, indicate:	None needed.
Additional Comments:	Area currently under renovation.
Other Comments:	**Area 7 -** SSDS in Area 7 not to be installed (area exposed to atmosphere and no longer included in renovation work) as documented in letter to NYSDEC dated December 24, 2019.
Personnel Performing Inspection	Kristine Garbarino, P.G.
Signature	
Date	March 3, 2022

C.T. MALE ASSOCIATES

April 22, 2022
Mr. Matthew Hubicki
2021 – 2022 PRR – USAI Light Facility (BCP Site ID: C336087)

Attachment C: 2022 Sampling Correspondence

Malamet, Alex

From: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Sent: Monday, April 4, 2022 10:01 AM
To: Andujar-McNeil, Rosaura
Cc: McIver, James; Kevin Goggin; Brendan Sullivan; sue@iserconsulting.com
Subject: RE: USAI Lighting Facility (C336087) - February 2022 Groundwater Sampling Results

Categories: Filed by Newforma

Good Morning Rosaura – I'm in receipt of the groundwater update/data for USAI Lighting C336087.

Thank You
Matt

Matthew Hubicki
Assistant Environmental Engineer, Remedial Bureau C
Division of Environmental Remediation

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: (518) 402-9605 | F: (518) 402-9679 | matthew.hubicki@dec.ny.gov
New York State Department of Environmental Conservation (ny.gov) |

From: Andujar-McNeil, Rosaura <r.andujar-mcneil@ctmale.com>
Sent: Thursday, March 31, 2022 10:09 AM
To: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Cc: j.mciver@ctmale.com; Kevin Goggin <Kevin@iserconsulting.com>; Brendan Sullivan <bsullivan@iserconsulting.com>; sue@iserconsulting.com
Subject: USAI Lighting Facility (C336087) - February 2022 Groundwater Sampling Results

Good morning Matt,

C.T. Male is providing a summary of the results and activities for the groundwater sampling event conducted at the USAI Facility in February 2022 in accordance with the SMP.

Summary of Activities and Results – February 2022 Groundwater Sampling

- Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3R, and MW-4R (see attached Figure). Samples were submitted for laboratory analysis of Total Compound List (TCL) volatile organic compounds (VOCs) and TCL semi-volatile organic compounds (SVOCs) in accordance with the SMP.

- A slight sheen was observed during groundwater sampling activities in the purged groundwater from MW-02. Slight odors were noted in the water from monitoring wells MW-1 and MW-2. No field evidence of contamination was observed/noted in the water from monitoring wells MW-3R and MW-4R.

- VOC concentrations were non-detect for all groundwater samples.

- Five (5) SVOCs were detected below the NYSDEC guidance levels. Remaining SVOC concentrations were non-detect.

- Non-detect results were reported for several VOCs and SVOCs which the RL was above the NYSDEC guidance levels. The possibility exists for these compounds to be present below the MDL but above their respective guidance level. These results are highlighted in grey in the summary table attached.

- Laboratory results for the February 2022 sampling event (attached, summary table and laboratory report) were generally consistent with historical data for these wells (2015, 2018, and 2019).

- Petroleum impacts as indicated by the fieldwork observations and laboratory results are likely indicative of residual petroleum-related contamination known to be present at the Site.

- In the upcoming 2021 – 2022 PRR, C.T. Male will formally petition the Department to reduce the sampling frequency for groundwater monitoring from an annual to a triennial basis (i.e., every three years), with the next sampling event anticipated in 2025.

Please review this information and let me know if you have any questions.

Thank you,

Rosaura Andújar-McNeil, P.E.
Project Environmental/Land Development Engineer

12 Raymond Avenue, 2nd Floor, Poughkeepsie, NY 12603
Phone: 845.454.4400
Email: r.andujar-mcneil@ctmale.com
www.ctmale.com

MAP REFERENCE
Orange County Parcel Access
Date accessed: 2/4/2021

Legend:

◑ Monitoring Wells Sampled as Per SMP

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 2 - MONITORING WELLS LOCATION MAP

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR	ORANGE COUNTY, NY

SCALE: NTS

DRAFTER: RAM

PROJECT No: 14.4337

The locations and features depicted on this map are approximate and do not represent an actual survey.

GROUNDWATER RESULTS - FEBRUARY 2022
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

		SAMPLE ID:	MW-1				MW-2				MW-3				MW-4				TRIP BLANK				FB-02162022				FB-02162022			
		LAB ID:	L2208194-04				L2208194-03				L2208194-02				L2208194-01				L2208194-06				L2208194-05				L2208194-05 R1			
		COLLECTION DATE:	2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022			
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		NY-AWQS																												
ANALYTE	CAS	(mg/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																														
1,1,1-Trichloroethane	71-55-6	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,1,2,2-Tetrachloroethane	79-34-5	0.005	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	-		-	-
1,1,2-Trichloroethane	79-00-5	0.001	ND		0.0015	0.0005	ND		0.0015	0.0005	ND		0.0015	0.0005	ND		0.0015	0.0005	ND		0.0015	0.0005	ND		0.0015	0.0005	-		-	-
1,1-Dichloroethane	75-34-3	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,1-Dichloroethene	75-35-4	0.005	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	ND		0.0005	0.00017	-		-	-
1,2,3-Trichlorobenzene	87-61-6	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,2,4-Trichlorobenzene	120-82-1	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,2-Dibromo-3-chloropropane	96-12-8	0.00004	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,2-Dibromoethane	106-93-4	0.0000006	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	-		-	-
1,2-Dichlorobenzene	95-50-1	0.003	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,2-Dichloroethane	107-06-2	0.0006	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	-		-	-
1,2-Dichloropropane	78-87-5	0.001	ND		0.001	0.00014	ND		0.001	0.00014	ND		0.001	0.00014	ND		0.001	0.00014	ND		0.001	0.00014	ND		0.001	0.00014	-		-	-
1,3-Dichlorobenzene	541-73-1	0.003	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,4-Dichlorobenzene	106-46-7	0.003	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
1,4-Dioxane	123-91-1		ND		0.25	0.061	ND		0.25	0.061	ND		0.25	0.061	ND		0.25	0.061	ND		0.25	0.061	ND		0.25	0.061	-		-	-
2-Butanone	78-93-3	0.05	ND		0.005	0.0019	ND		0.005	0.0019	ND		0.005	0.0019	ND		0.005	0.0019	ND		0.005	0.0019	ND		0.005	0.0019	-		-	-
2-Hexanone	591-78-6	0.05	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	-		-	-
4-Methyl-2-pentanone	108-10-1		ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	-		-	-
Acetone	67-64-1	0.05	ND		0.005	0.0015	ND		0.005	0.0015	ND		0.005	0.0015	ND		0.005	0.0015	ND		0.005	0.0015	ND		0.005	0.0015	-		-	-
Benzene	71-43-2	0.001	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	-		-	-
Bromochloromethane	74-97-5	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Bromodichloromethane	75-27-4	0.05	ND		0.0005	0.00019	ND		0.0005	0.00019	ND		0.0005	0.00019	ND		0.0005	0.00019	ND		0.0005	0.00019	ND		0.0005	0.00019	-		-	-
Bromoform	75-25-2	0.05	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	ND		0.002	0.00065	-		-	-
Bromomethane	74-83-9	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Carbon disulfide	75-15-0	0.06	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	-		-	-
Carbon tetrachloride	56-23-5	0.005	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	ND		0.0005	0.00013	-		-	-
Chlorobenzene	108-90-7	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Chloroethane	75-00-3	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Chloroform	67-66-3	0.007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Chloromethane	74-87-3		ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
cis-1,2-Dichloroethene	156-59-2	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
cis-1,3-Dichloropropene	10061-01-5	0.0004	ND		0.0005	0.00014	ND		0.0005	0.00014	ND		0.0005	0.00014	ND		0.0005	0.00014	ND		0.0005	0.00014	ND		0.0005	0.00014	-		-	-
Cyclohexane	110-82-7		ND		0.01	0.00027	ND		0.01	0.00027	ND		0.01	0.00027	ND		0.01	0.00027	ND		0.01	0.00027	ND		0.01	0.00027	-		-	-
Dibromochloromethane	124-48-1	0.05	ND		0.0005	0.00015	ND		0.0005	0.00015	ND		0.0005	0.00015	ND		0.0005	0.00015	ND		0.0005	0.00015	ND		0.0005	0.00015	-		-	-
Dichlorodifluoromethane	75-71-8	0.005	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	ND		0.005	0.001	-		-	-
Ethylbenzene	100-41-4	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Freon-113	76-13-1	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Isopropylbenzene	98-82-8	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Methyl Acetate	79-20-9		ND		0.002	0.00023	ND		0.002	0.00023	ND		0.002	0.00023	ND		0.002	0.00023	ND		0.002	0.00023	ND		0.002	0.00023	-		-	-
Methyl cyclohexane	108-87-2		ND		0.01	0.0004	ND		0.01	0.0004	ND		0.01	0.0004	ND		0.01	0.0004	ND		0.01	0.0004	ND		0.01	0.0004	-		-	-
Methyl tert butyl ether	1634-04-4	0.01	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Methylene chloride	75-09-2	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
o-Xylene	95-47-6	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
p/m-Xylene	179601-23-1	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Styrene	100-42-5	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Tetrachloroethene	127-18-4	0.005	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	-		-	-
Toluene	108-88-3	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
trans-1,2-Dichloroethene	156-60-5	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
trans-1,3-Dichloropropene	10061-02-6	0.0004	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	ND		0.0005	0.00016	-		-	-
Trichloroethene	79-01-6	0.005	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	ND		0.0005	0.00018	-		-	-
Trichlorofluoromethane	75-69-4	0.005	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	ND		0.0025	0.0007	-		-	-
Vinyl chloride	75-01-4	0.002	ND		0.001	0.00007	ND		0.001	0.00007	ND		0.001	0.00007	ND		0.001	0.00007	ND		0.001	0.00007	ND		0.001	0.00007	-		-	-
Total VOCs			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		SAMPLE ID:	MW-1				MW-2				MW-3				MW-4				TRIP BLANK				FB-02162022				FB-02162022			
		LAB ID:	L2208194-04				L2208194-03				L2208194-02				L2208194-01				L2208194-06				L2208194-05				L2208194-05 R1			
		COLLECTION DATE:	2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022			
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		NY-AWQS																												
ANALYTE	CAS	(mg/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																														
SEMIVOLATILE ORGANICS BY GC/MS																														
1,2,4,5-Tetrachlorobenzene	95-94-3	0.005	ND		0.01	0.00044	ND		0.01	0.00044	ND		0.01	0.00044	ND		0.01	0.00044	-	-	-	-	ND		0.01	0.00044	-		-	-
2,3,4,6-Tetrachlorophenol	58-90-2		ND		0.005	0.00084	ND		0.005	0.00084	ND		0.005	0.00084	ND		0.005	0.00084	-	-	-	-	ND		0.005	0.00084	-		-	-
2,4,5-Trichlorophenol	95-95-4		ND		0.005	0.00077	ND		0.005	0.00077	ND		0.005	0.00077	ND		0.005	0.00077	-	-	-	-	ND		0.005	0.00077	-		-	-
2,4,6-Trichlorophenol	88-06-2		ND		0.005	0.00061	ND		0.005	0.00061	ND		0.005	0.00061	ND		0.005	0.00061	-	-	-	-	ND		0.005	0.00061	-		-	-
2,4-Dichlorophenol	120-83-2	0.001	ND		0.005	0.00041	ND		0.005	0.00041	ND		0.005	0.00041	ND		0.005	0.00041	-	-	-	-	ND		0.005	0.00041	-		-	-
2,4-Dimethylphenol	105-67-9	0.05	ND		0.005	0.0018	ND		0.005	0.0018	ND		0.005	0.0018	ND		0.005	0.0018	-	-	-	-	ND		0.005	0.0018	-		-	-
2,4-Dinitrophenol	51-28-5	0.01	ND		0.02	0.0066	ND		0.02	0.0066	ND		0.02	0.0066	ND		0.02	0.0066	-	-	-	-	ND		0.02	0.0066	-		-	-
2,4-Dinitrotoluene	121-14-2	0.005	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	-	-	-	-	ND		0.005	0.0012	-		-	-
2,6-Dinitrotoluene	606-20-2	0.005	ND		0.005	0.00093	ND		0.005	0.00093	ND		0.005	0.00093	ND		0.005	0.00093	-	-	-	-	ND		0.005	0.00093	-		-	-
2-Chlorophenol	95-57-8		ND		0.002	0.00048	ND		0.002	0.00048	ND		0.002	0.00048	ND		0.002	0.00048	-	-	-	-	ND		0.002	0.00048	-		-	-
2-Methylphenol	95-48-7		ND		0.005	0.00049	ND		0.005	0.00049	ND		0.005	0.00049	ND		0.005	0.00049	-	-	-	-	ND		0.005	0.00049	-		-	-
2-Nitroaniline	88-74-4	0.005	ND		0.005	0.0005	ND		0.005	0.0005	ND		0.005	0.0005	ND		0.005	0.0005	-	-	-	-	ND		0.005	0.0005	-		-	-
2-Nitrophenol	88-75-5		ND		0.01	0.00085	ND		0.01	0.00085	ND		0.01	0.00085	ND		0.01	0.00085	-	-	-	-	ND		0.01	0.00085	-		-	-
3,3'-Dichlorobenzidine	91-94-1	0.005	ND		0.005	0.0016	ND		0.005	0.0016	ND		0.005	0.0016	ND		0.005	0.0016	-	-	-	-	ND		0.005	0.0016	-		-	-
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		ND		0.005	0.00048	ND		0.005	0.00048	ND		0.005	0.00048	ND		0.005	0.00048	-	-	-	-	ND		0.005	0.00048	-		-	-
3-Nitroaniline	99-09-2	0.005	ND		0.005	0.00081	ND		0.005	0.00081	ND		0.005	0.00081	ND		0.005	0.00081	-	-	-	-	ND		0.005	0.00081	-		-	-
4,6-Dinitro-o-cresol	534-52-1		ND		0.01	0.0018	ND		0.01	0.0018	ND		0.01	0.0018	ND		0.01	0.0018	-	-	-	-	ND		0.01	0.0018	-		-	-
4-Bromophenyl phenyl ether	101-55-3		ND		0.002	0.00038	ND		0.002	0.00038	ND		0.002	0.00038	ND		0.002	0.00038	-	-	-	-	ND		0.002	0.00038	-		-	-
4-Chloroaniline	106-47-8	0.005	ND		0.005	0.0011	ND		0.005	0.0011	ND		0.005	0.0011	ND		0.005	0.0011	-	-	-	-	ND		0.005	0.0011	-		-	-
4-Chlorophenyl phenyl ether	7005-72-3		ND		0.002	0.00049	ND		0.002	0.00049	ND		0.002	0.00049	ND		0.002	0.00049	-	-	-	-	ND		0.002	0.00049	-		-	-
4-Nitroaniline	100-01-6	0.005	ND		0.005	0.0008	ND		0.005	0.0008	ND		0.005	0.0008	ND		0.005	0.0008	-	-	-	-	ND		0.005	0.0008	-		-	-
4-Nitrophenol	100-02-7		ND		0.01	0.00067	ND		0.01	0.00067	ND		0.01	0.00067	ND		0.01	0.00067	-	-	-	-	ND		0.01	0.00067	-		-	-
Acetophenone	98-86-2		ND		0.005	0.00053	ND		0.005	0.00053	ND		0.005	0.00053	ND		0.005	0.00053	-	-	-	-	ND		0.005	0.00053	-		-	-
Atrazine	1912-24-9	0.0075	ND		0.01	0.00076	ND		0.01	0.00076	ND		0.01	0.00076	ND		0.01	0.00076	-	-	-	-	ND		0.01	0.00076	-		-	-
Benzaldehyde	100-52-7		ND		0.005	0.00053	ND		0.005	0.00053	ND		0.005	0.00053	ND		0.005	0.00053	-	-	-	-	ND		0.005	0.00053	-		-	-
Biphenyl	92-52-4		ND		0.002	0.00046	ND		0.002	0.00046	ND		0.002	0.00046	ND		0.002	0.00046	-	-	-	-	ND		0.002	0.00046	-		-	-
Bis(2-chloroethoxy)methane	111-91-1	0.005	ND		0.005	0.0005	ND		0.005	0.0005	ND		0.005	0.0005	ND		0.005	0.0005	-	-	-	-	ND		0.005	0.0005	-		-	-
Bis(2-chloroethyl)ether	111-44-4	0.001	ND		0.002	0.0005	ND		0.002	0.0005	ND		0.002	0.0005	ND		0.002	0.0005	-	-	-	-	ND		0.002	0.0005	-		-	-
Bis(2-chloroisopropyl)ether	108-60-1	0.005	ND		0.002	0.00053	ND		0.002	0.00053	ND		0.002	0.00053	ND		0.002	0.00053	-	-	-	-	ND		0.002	0.00053	-		-	-
Bis(2-ethylhexyl)phthalate	117-81-7	0.005	ND		0.003	0.0015	ND		0.003	0.0015	ND		0.003	0.0015	ND		0.003	0.0015	-	-	-	-	ND		0.003	0.0015	-		-	-
Butyl benzyl phthalate	85-68-7	0.05	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	-	-	-	-	ND		0.005	0.0012	-		-	-
Caprolactam	105-60-2		ND		0.01	0.0033	ND		0.01	0.0033	ND		0.01	0.0033	ND		0.01	0.0033	-	-	-	-	ND		0.01	0.0033	-		-	-
Carbazole	86-74-8		ND		0.002	0.00049	ND		0.002	0.00049	ND		0.002	0.00049	ND		0.002	0.00049	-	-	-	-	ND		0.002	0.00049	-		-	-
Di-n-butylphthalate	84-74-2	0.05	ND		0.005	0.00039	ND		0.005	0.00039	ND		0.005	0.00039	ND		0.005	0.00039	-	-	-	-	ND		0.005	0.00039	-		-	-
Di-n-octylphthalate	117-84-0	0.05	ND		0.005	0.0013	ND		0.005	0.0013	ND		0.005	0.0013	ND		0.005	0.0013	-	-	-	-	ND		0.005	0.0013	-		-	-
Dibenzofuran	132-64-9		ND		0.002	0.0005	ND		0.002	0.0005	ND		0.002	0.0005	ND		0.002	0.0005	-	-	-	-	ND		0.002	0.0005	-		-	-
Diethyl phthalate	84-66-2	0.05	ND		0.005	0.00038	ND		0.005	0.00038	ND		0.005	0.00038	ND		0.005	0.00038	-	-	-	-	ND		0.005	0.00038	-		-	-
Dimethyl phthalate	131-11-3	0.05	ND		0.005	0.0018	ND		0.005	0.0018	ND		0.005	0.0018	ND		0.005	0.0018	-	-	-	-	ND		0.005	0.0018	-		-	-
Hexachlorocyclopentadiene	77-47-4	0.005	ND		0.02	0.00069	ND		0.02	0.00069	ND		0.02	0.00069	ND		0.02	0.00069	-	-	-	-	ND		0.02	0.00069	-		-	-
Isophorone	78-59-1	0.05	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	ND		0.005	0.0012	-	-	-	-	ND		0.005	0.0012	-		-	-
n-Nitrosodi-n-propylamine	621-64-7		ND		0.005	0.00064	ND		0.005	0.00064	ND		0.005	0.00064	ND		0.005	0.00064	-	-	-	-	ND		0.005	0.00064	-		-	-
NDPA/DPA	86-30-6	0.05	ND		0.002	0.00042	ND		0.002	0.00042	ND		0.002	0.00042	ND		0.002	0.00042	-	-	-	-	ND		0.002	0.00042	-		-	-
Nitrobenzene	98-95-3	0.0004	ND		0.002	0.00077	ND		0.002	0.00077	ND		0.002	0.00077	ND		0.002	0.00077	-	-	-	-	ND		0.002	0.00077	-		-	-
p-Chloro-m-cresol	59-50-7		ND		0.002	0.00035	ND		0.002	0.00035	ND		0.002	0.00035	ND		0.002	0.00035	-	-	-	-	ND		0.002	0.00035	-		-	-
Phenol	108-95-2	0.001	ND		0.005	0.00057	ND		0.005	0.00057	ND		0.005	0.00057	ND		0.005	0.00057	-	-	-	-	ND		0.005	0.00057	-		-	-
Total SVOCs			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		SAMPLE ID:	MW-1				MW-2				MW-3				MW-4				TRIP BLANK				FB-02162022				FB-02162022			
		LAB ID:	L2208194-04				L2208194-03				L2208194-02				L2208194-01				L2208194-06				L2208194-05				L2208194-05 R1			
		COLLECTION DATE:	2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022				2/16/2022			
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		NY-AWQS																												
ANALYTE	CAS	(mg/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																														
SEMIVOLATILE ORGANICS BY GC/MS-SIM																														
2-Chloronaphthalene	91-58-7	0.01	ND		0.0002	0.00002	ND		0.0002	0.00002	ND		0.0002	0.00002	ND		0.0002	0.00002	-	-	-	-	ND		0.0002	0.00002	ND		0.0002	0.00002
2-Methylnaphthalene	91-57-6		ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Acenaphthene	83-32-9	0.02	0.00004	J	0.0001	0.00001	0.0002		0.0001	0.00001	0.0002		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	0.00016		0.0001	0.00001	0.00005	J	0.0001	0.00001
Acenaphthylene	208-96-8		ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Anthracene	120-12-7	0.05	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	0.00002	J	0.0001	0.00001
Benzo(a)anthracene	56-55-3	0.000002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Benzo(a)pyrene	50-32-8	0	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Benzo(b)fluoranthene	205-99-2	0.000002	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Benzo(ghi)perylene	191-24-2		ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Benzo(k)fluoranthene	207-08-9	0.000002	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Chrysene	218-01-9	0.000002	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Dibenzo(a,h)anthracene	53-70-3		ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Fluoranthene	206-44-0	0.05	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Fluorene	86-73-7	0.05	0.00007	J	0.0001	0.00001	0.00009	J	0.0001	0.00001	0.00014		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	0.00011		0.0001	0.00001	0.00002	J	0.0001	0.00001
Hexachlorobenzene	118-74-1	0.00004	ND		0.0008	0.00001	ND		0.0008	0.00001	ND		0.0008	0.00001	ND		0.0008	0.00001	-	-	-	-	ND		0.0008	0.00001	ND		0.0008	0.00001
Hexachlorobutadiene	87-68-3	0.0005	ND		0.0005	0.00005	ND		0.0005	0.00005	ND		0.0005	0.00005	ND		0.0005	0.00005	-	-	-	-	ND		0.0005	0.00005	ND		0.0005	0.00005
Hexachloroethane	67-72-1	0.005	ND		0.0008	0.00006	ND		0.0008	0.00006	ND		0.0008	0.00006	ND		0.0008	0.00006	-	-	-	-	ND		0.0008	0.00006	ND		0.0008	0.00006
Indeno(1,2,3-cd)pyrene	193-39-5	0.000002	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	ND		0.0001	0.00001	-	-	-	-	ND		0.0001	0.00001	ND		0.0001	0.00001
Naphthalene	91-20-3	0.01	ND		0.0001	0.00005	ND		0.0001	0.00005	ND		0.0001	0.00005	ND		0.0001	0.00005	-	-	-	-	ND		0.0001	0.00005	0.00006	J	0.0001	0.00005
Pentachlorophenol	87-86-5	0.001	ND		0.0008	0.00001	ND		0.0008	0.00001	ND		0.0008	0.00001	ND		0.0008	0.00001	-	-	-	-	ND		0.0008	0.00001	ND		0.0008	0.00001
Phenanthrene	85-01-8	0.05	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Pyrene	129-00-0	0.05	0.00002	J	0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	ND		0.0001	0.00002	-	-	-	-	ND		0.0001	0.00002	ND		0.0001	0.00002
Total SVOCs			0.00013	-	-	-	0.00029	-	-	-	0.00034	-	-	-	-	-	-	-	-	-	-	-	0.00027	-	-	-	0.00015	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

ANALYTICAL REPORT

Lab Number:	L2208194
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Rosaura Andujar-McNeil
Phone:	(518) 786-7400
Project Name:	USAI
Project Number:	14.4337
Report Date:	03/03/22

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

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

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2208194-01	MW-4	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 11:30	02/16/22
L2208194-02	MW-3	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 12:20	02/16/22
L2208194-03	MW-2	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 13:05	02/16/22
L2208194-04	MW-1	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 13:45	02/16/22
L2208194-05	FB-02162022	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 12:20	02/16/22
L2208194-06	TRIP BLANK	WATER	1125 RIVER ROAD, NEW WINDSOR, NY	02/16/22 00:00	02/16/22

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

Case Narrative

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

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

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

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

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

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

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

Case Narrative (continued)

Report Submission

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

Semivolatile Organics by SIM

L2208194-05: The Field Blank has concentrations above the reporting limits for Acenaphthene and Fluorene. The sample was re-extracted with the method required holding time exceeded and was non-detect for these target compounds. The results of both extractions are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 03/03/22

ORGANICS

VOLATILES

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01
Client ID: MW-4
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 11:30
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 15:23
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01 Date Collected: 02/16/22 11:30

Client ID: MW-4 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02
Client ID: MW-3
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 15:46
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02 Date Collected: 02/16/22 12:20

Client ID: MW-3 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03
Client ID: MW-2
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 13:05
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 16:33
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03 Date Collected: 02/16/22 13:05

Client ID: MW-2 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04
Client ID: MW-1
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 13:45
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 16:10
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04 Date Collected: 02/16/22 13:45

Client ID: MW-1 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05
Client ID: FB-02162022
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 14:37
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05 Date Collected: 02/16/22 12:20

Client ID: FB-02162022 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-06
Client ID: TRIP BLANK
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY
Date Collected: 02/16/22 00:00
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/22/22 15:00
Analyst: PD

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-06 Date Collected: 02/16/22 00:00

Client ID: TRIP BLANK Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1608156-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1608156-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/22/22 08:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1608156-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1608156-3 WG1608156-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	97		96		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	94		92		70-130	2		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	98		96		62-150	2		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	94		95		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	95		98		70-130	3		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
Bromoform	97		99		54-136	2		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	97		96		70-130	1		20
Ethylbenzene	96		97		70-130	1		20
Chloromethane	74		76		64-130	3		20
Bromomethane	57		54		39-139	5		20
Vinyl chloride	82		81		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1608156-3 WG1608156-4								
Chloroethane	89		88		55-138	1		20
1,1-Dichloroethene	95		94		61-145	1		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	90		93		70-130	3		20
1,3-Dichlorobenzene	92		94		70-130	2		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	92		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	87		86		36-147	1		20
Acetone	100		98		58-148	2		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	99		100		59-130	1		20
2-Hexanone	96		100		57-130	4		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	89		94		41-144	5		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	86		96		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1608156-3 WG1608156-4								
1,2,4-Trichlorobenzene	88		94		70-130	7		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	124		124		56-162	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01
Client ID: MW-4
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 11:30
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/22 05:56
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01 Date Collected: 02/16/22 11:30

Client ID: MW-4 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	63		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01
Client ID: MW-4
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 11:30
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 02:17
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-01 Date Collected: 02/16/22 11:30

Client ID: MW-4 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	90		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02
Client ID: MW-3
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/22 06:20
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02 Date Collected: 02/16/22 12:20

Client ID: MW-3 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02
Client ID: MW-3
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 02:36
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-02 Date Collected: 02/16/22 12:20

Client ID: MW-3 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	101		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03
Client ID: MW-2
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 13:05
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/22 06:43
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03 Date Collected: 02/16/22 13:05

Client ID: MW-2 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	62		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03
Client ID: MW-2
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 13:05
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 02:55
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-03 Date Collected: 02/16/22 13:05

Client ID: MW-2 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	84		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04
Client ID: MW-1
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 13:45
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/22 07:07
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04 Date Collected: 02/16/22 13:45

Client ID: MW-1 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	77		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04
Client ID: MW-1
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 13:45
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 03:14
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-04 Date Collected: 02/16/22 13:45

Client ID: MW-1 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	108		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05
Client ID: FB-02162022
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/23/22 07:31
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05 Date Collected: 02/16/22 12:20

Client ID: FB-02162022 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	66		41-149

Project Name: USAI
Project Number: 14.4337
Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05
Client ID: FB-02162022
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 03:33
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.16		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.11		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05 Date Collected: 02/16/22 12:20

Client ID: FB-02162022 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	88		41-149

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05 RE
Client ID: FB-02162022
Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 02/16/22 12:20
Date Received: 02/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/28/22 10:47
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 02/27/22 15:56

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

Project Name: USAI **Lab Number:** L2208194

Project Number: 14.4337 **Report Date:** 03/03/22

SAMPLE RESULTS

Lab ID: L2208194-05 RE Date Collected: 02/16/22 12:20

Client ID: FB-02162022 Date Received: 02/16/22

Sample Location: 1125 RIVER ROAD, NEW WINDSOR, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	51		41-149

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/22/22 22:51
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1607526-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/22/22 22:51
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1607526-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	66		41-149

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 00:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1607527-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/23/22 00:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 02/22/22 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1607527-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	90		41-149

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/28/22 08:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/27/22 13:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1609499-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/28/22 08:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 02/27/22 13:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1609499-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1607526-2 WG1607526-3								
Bis(2-chloroethyl)ether	81		79		40-140	3		30
3,3'-Dichlorobenzidine	57		57		40-140	0		30
2,4-Dinitrotoluene	71		74		48-143	4		30
2,6-Dinitrotoluene	58		58		40-140	0		30
4-Chlorophenyl phenyl ether	60		59		40-140	2		30
4-Bromophenyl phenyl ether	54		54		40-140	0		30
Bis(2-chloroisopropyl)ether	88		88		40-140	0		30
Bis(2-chloroethoxy)methane	79		80		40-140	1		30
Hexachlorocyclopentadiene	49		47		40-140	4		30
Isophorone	71		70		40-140	1		30
Nitrobenzene	86		84		40-140	2		30
NDPA/DPA	64		62		40-140	3		30
n-Nitrosodi-n-propylamine	78		79		29-132	1		30
Bis(2-ethylhexyl)phthalate	84		82		40-140	2		30
Butyl benzyl phthalate	65		70		40-140	7		30
Di-n-butylphthalate	70		68		40-140	3		30
Di-n-octylphthalate	72		74		40-140	3		30
Diethyl phthalate	69		70		40-140	1		30
Dimethyl phthalate	56		54		40-140	4		30
Biphenyl	61		58		40-140	5		30
4-Chloroaniline	53		58		40-140	9		30
2-Nitroaniline	65		64		52-143	2		30
3-Nitroaniline	64		70		25-145	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1607526-2 WG1607526-3								
4-Nitroaniline	66		74		51-143	11		30
Dibenzofuran	67		68		40-140	1		30
1,2,4,5-Tetrachlorobenzene	51		49		2-134	4		30
Acetophenone	73		72		39-129	1		30
2,4,6-Trichlorophenol	51		52		30-130	2		30
p-Chloro-m-cresol	72		71		23-97	1		30
2-Chlorophenol	78		77		27-123	1		30
2,4-Dichlorophenol	66		64		30-130	3		30
2,4-Dimethylphenol	63		60		30-130	5		30
2-Nitrophenol	84		78		30-130	7		30
4-Nitrophenol	75		**81**	Q	10-80	8		30
2,4-Dinitrophenol	79		85		20-130	7		30
4,6-Dinitro-o-cresol	79		82		20-164	4		30
Phenol	64		64		12-110	0		30
2-Methylphenol	74		74		30-130	0		30
3-Methylphenol/4-Methylphenol	78		78		30-130	0		30
2,4,5-Trichlorophenol	53		55		30-130	4		30
Carbazole	70		70		55-144	0		30
Atrazine	65		66		40-140	2		30
Benzaldehyde	74		73		40-140	1		30
Caprolactam	30		32		10-130	6		30
2,3,4,6-Tetrachlorophenol	58		57		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1607526-2 WG1607526-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		70		21-120
Phenol-d6	60		60		10-120
Nitrobenzene-d5	83		82		23-120
2-Fluorobiphenyl	56		52		15-120
2,4,6-Tribromophenol	55		56		10-120
4-Terphenyl-d14	57		58		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1607527-2 WG1607527-3								
Acenaphthene	79		86		40-140	8		40
2-Chloronaphthalene	80		88		40-140	10		40
Fluoranthene	84		91		40-140	8		40
Hexachlorobutadiene	71		79		40-140	11		40
Naphthalene	79		82		40-140	4		40
Benzo(a)anthracene	82		87		40-140	6		40
Benzo(a)pyrene	77		83		40-140	8		40
Benzo(b)fluoranthene	86		95		40-140	10		40
Benzo(k)fluoranthene	77		82		40-140	6		40
Chrysene	76		82		40-140	8		40
Acenaphthylene	80		88		40-140	10		40
Anthracene	82		89		40-140	8		40
Benzo(ghi)perylene	81		88		40-140	8		40
Fluorene	83		91		40-140	9		40
Phenanthrene	78		84		40-140	7		40
Dibenzo(a,h)anthracene	89		94		40-140	5		40
Indeno(1,2,3-cd)pyrene	83		90		40-140	8		40
Pyrene	84		91		40-140	8		40
2-Methylnaphthalene	80		87		40-140	8		40
Pentachlorophenol	97		93		40-140	4		40
Hexachlorobenzene	77		83		40-140	8		40
Hexachloroethane	66		75		40-140	13		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1607527-2 WG1607527-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		69		21-120
Phenol-d6	57		61		10-120
Nitrobenzene-d5	78		87		23-120
2-Fluorobiphenyl	78		85		15-120
2,4,6-Tribromophenol	83		89		10-120
4-Terphenyl-d14	91		97		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1609499-2 WG1609499-3								
Acenaphthene	55		67		40-140	20		40
2-Chloronaphthalene	54		67		40-140	21		40
Fluoranthene	58		67		40-140	14		40
Hexachlorobutadiene	50		60		40-140	18		40
Naphthalene	52		63		40-140	19		40
Benzo(a)anthracene	56		67		40-140	18		40
Benzo(a)pyrene	52		62		40-140	18		40
Benzo(b)fluoranthene	63		75		40-140	17		40
Benzo(k)fluoranthene	59		72		40-140	20		40
Chrysene	57		66		40-140	15		40
Acenaphthylene	49		60		40-140	20		40
Anthracene	55		67		40-140	20		40
Benzo(ghi)perylene	59		69		40-140	16		40
Fluorene	56		69		40-140	21		40
Phenanthrene	56		67		40-140	18		40
Dibenzo(a,h)anthracene	63		73		40-140	15		40
Indeno(1,2,3-cd)pyrene	60		70		40-140	15		40
Pyrene	58		67		40-140	14		40
2-Methylnaphthalene	56		66		40-140	16		40
Pentachlorophenol	54		65		40-140	18		40
Hexachlorobenzene	56		68		40-140	19		40
Hexachloroethane	52		61		40-140	16		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1609499-2 WG1609499-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		52		21-120
Phenol-d6	36		46		10-120
Nitrobenzene-d5	55		68		23-120
2-Fluorobiphenyl	52		64		15-120
2,4,6-Tribromophenol	56		67		10-120
4-Terphenyl-d14	58		67		41-149

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2208194-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-01D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-01E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-02D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-02E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-03D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-03E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-04D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-04E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: USAI
Project Number: 14.4337

Lab Number: L2208194
Report Date: 03/03/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2208194-05D	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-05E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2208194-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)
L2208194-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	USAI	**Lab Number:**	L2208194
Project Number:	14.4337	**Report Date:**	03/03/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 2/16/22

ALPHA Job #: L0208194

Client Information
Client: C.T. Male
Address: 12 Raymond Ave
Phone: 845 454 4400
Fax:
Email: a.malameth@ctmalecm

Project Information
Project Name: USAI
Project Location: 1125 River Road, New Windsor, NY
Project #: 14.4337
(Use Project name as Project #) ☐
Project Manager: Rosaura Andujar-McNeil
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	Sample Specific Comments	Total Bottle
08194-01	MW-4	2/16	1130	water	AM	X	X		5
-02	MW-3		1220		AM	X	X		5
-03	MW-2		1305		AM	X	X		5
-04	MW-1		1345		AM	X	X		5
-05	FD-02162022		1220		AM	X	X		5
-06	Trip blank								2
								total	27

Container Type: A A
Preservative: B A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alex Mullin	2/16/22 1445	[illegible]	2/16/22 1445
[illegible]	2/16/22 1700	[illegible]	2/16 1800
[illegible]	2/16 2100		2/16 2100

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

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

Malamet, Alex

From: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Sent: Friday, April 22, 2022 9:46 AM
To: Andujar-McNeil, Rosaura
Cc: Bogardus, Sara (HEALTH); McIver, James; sue@iserconsulting.com; Brendan Sullivan; Frank DiLauro; Carpenter, Kevin J (DEC); Amin, Parag B (DEC); Schuck, Maureen E (HEALTH)
Subject: RE: USAI Lighting Facility (C336087) -March 2022 Soil Vapor/Ambient Air Sampling Results

Hi Rosaura – I'm in receipt of the latest data for sub-slab and indoor air at USAI Lighting C336087.

As discussed, please submit the next PRR and I will follow-up with the IC/EC Form once I approve the last PRR.
I've drafted a response/approval letter but need to run by management & DOH first.

Thanks
Matt

Matthew Hubicki
Assistant Environmental Engineer, Remedial Bureau C
Division of Environmental Remediation

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: (518) 402-9605 | F: (518) 402-9679 | matthew.hubicki@dec.ny.gov
New York State Department of Environmental Conservation (ny.gov) |

From: Andujar-McNeil, Rosaura <r.andujar-mcneil@ctmale.com>
Sent: Thursday, April 21, 2022 4:04 PM
To: Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
Cc: Bogardus, Sara (HEALTH) <Sara.Bogardus@health.ny.gov>; j.mciver@ctmale.com; sue@iserconsulting.com; Brendan Sullivan <bsullivan@iserconsulting.com>; Frank DiLauro <frankd@usailighting.com>
Subject: USAI Lighting Facility (C336087) -March 2022 Soil Vapor/Ambient Air Sampling Results

Good afternoon Matt,

C.T. Male is providing a summary of the results and activities for the sub-slab vapor and air sampling event conducted at the USAI facility in March 2022 in accordance with the SMP. Sub-slab vapor and air sampling results will be documented in the upcoming 2022 PRR.

Summary of Activities and Results – March 2022 Sub-slab and air vapor sampling

- Four (4) sub-slab soil vapor (VI-1 to VI-4), three (3) indoor ambient (IA-1 to IA-3), and one (1) outdoor ambient air (OA-1) samples were collected throughout or adjacent to the USAI facility on March 9, 2022. A map depicting sampling locations is attached. A product inventory for applicable portions of the facility was completed during the sampling and is attached.
- Renovation work and slab in Area 4 are now complete, deeming the SSDS in Area 4 fully functional. Sub-slab soil vapor (VI-4) and indoor ambient air (IA-1) samples were collected in Area 4 in 2022. A new sampling port for sub-slab sampling was installed in Area 4 as the former sampling port was covered during renovation activities. A vapor pin® sampling device was installed, industry standard in these types of applications.
- Sub-slab and indoor air samples for Area 8 were not collected due to renovation work in this area (area is currently occupied periodically by construction workers). The samples not collected correspond to sampling identification VI-5 and IA-4. Samples will be collected following the completion of renovation activities in this area and documented in the 2023 PRR. Renovation activities are substantially complete. Area 8 is anticipated to be functional and reoccupied by July 2022.
- Samples were analyzed for VOCs utilizing USEPA Method TO-15. Laboratory Results were compared to applicable air guidance values and matrices in the NYSDOH guidance (attached, summary table and laboratory report).
- Concentrations of methylene chloride, PCE, and TCE in indoor air were below their respective air guidance value for all the indoor air samples.
- Following comparison of sub-slab soil vapor and indoor ambient air concentrations to the values in the NYSDOH matrices, the “No further action” was the applicable response for PCE, TCE, cis-1,2-dichloroethene, 1,1,1-trichloroethane, 1,1-dichloroethene, carbon tetrachloride, methylene chloride, and vinyl chloride.
- Elevated concentrations of ethanol (peak of 1,140 ug/m^3 at IA-1) and acetone (peak of 135 ug/m^3 at IA-2) were detected in the indoor air throughout the facility. The relative elevated concentrations of indoor air when compared to soil vapor concentrations are likely indicative of an on-site indoor air source and not the result of sub-slab vapor migration into the USAI facility. Indoor air concentrations of ethanol and acetone are consistent with previous sampling events and likely the results manufacturing activities at the facility.

Please review and let me know if you have any questions.

Thank you,

Rosaura Andújar-McNeil, P.E.
Project Environmental/Land Development Engineer

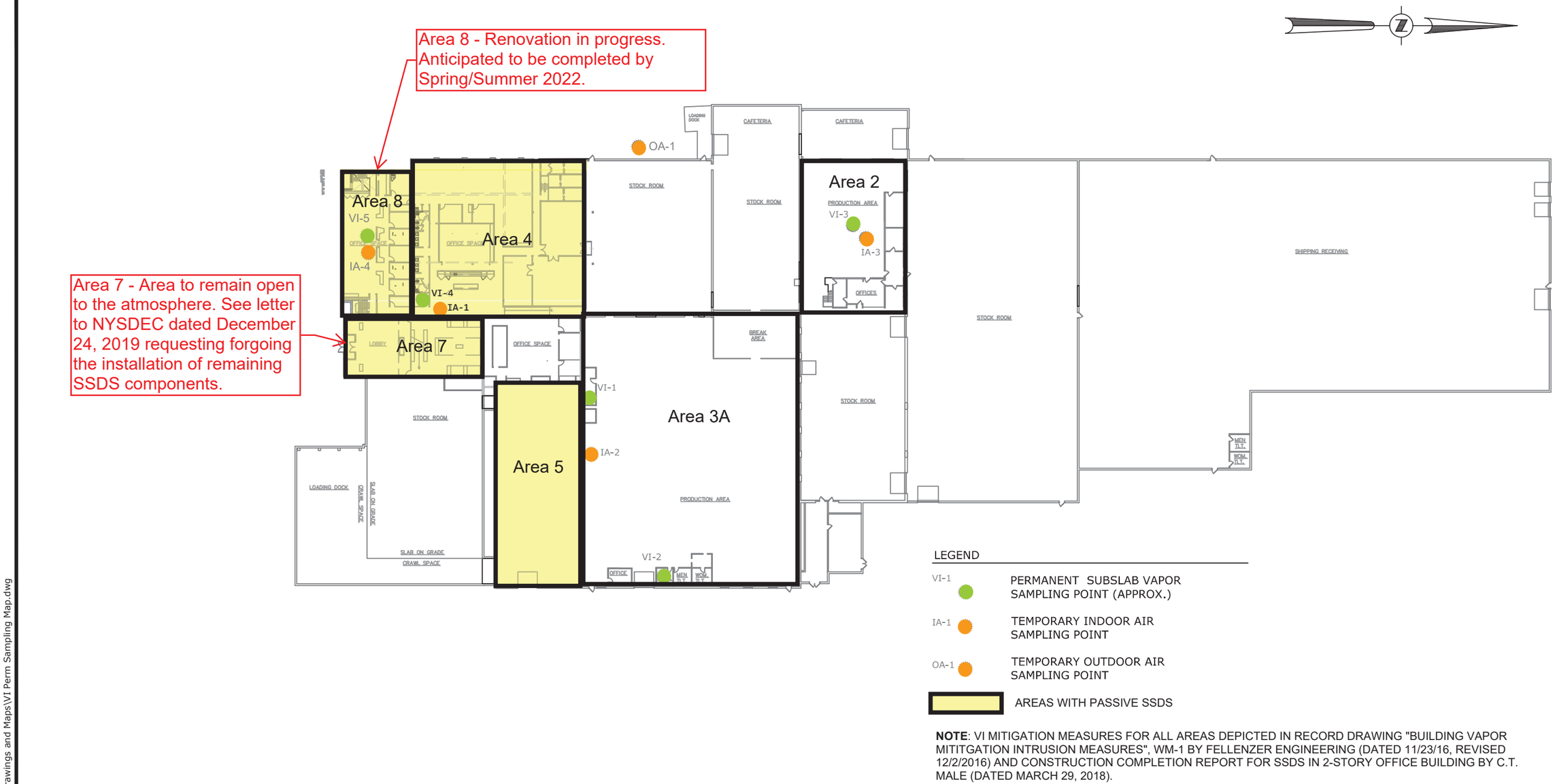
12 Raymond Avenue, 2nd Floor, Poughkeepsie, NY 12603
Phone: 845.454.4400
Email: r.andujar-mcneil@ctmale.com
www.ctmale.com

XREFS: NONE

PROJECT NUMBER: 14.4337

CAD DWG. FILE NAME: VI Perm Sampling Map.dwg

CAD DWG. FILE NAME: K:\Projects\14437\Env\Drawings and Maps\VI Perm Sampling Map.dwg



NOTE: VI MITIGATION MEASURES FOR ALL AREAS DEPICTED IN RECORD DRAWING "BUILDING VAPOR MITITGATION INTRUSION MEASURES", WM-1 BY FELLENZER ENGINEERING (DATED 11/23/16, REVISED 12/2/2016) AND CONSTRUCTION COMPLETION REPORT FOR SSDS IN 2-STORY OFFICE BUILDING BY C.T. MALE (DATED MARCH 29, 2018).

NOTE:
THE LOCATIONS AND FEATURES DEPICTED IN THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY BY C.T. MALE.

MAP REFERENCE:
BUILDING FLOOR PLAN PROVIDED BY FELLENZER ENGINEERING LLP OF MIDDLETOWN, NY.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
3/29/19	1	Sampling locations modified	RAM		
4/13/20	2	SSDS loc. and other areas/shading	RAM		
1/27/21	3	ECs deficiencies per 1/25/2021 visit	RAM		
	4				
	5				
	6				
	7				
	8				
	9				

DESIGNED :
DRAFTED : J.MARX
CHECKED : J.MCIVER
PROJ. NO : 14.4337
SCALE : NOT TO SCALE
DATE : MAY 2, 2017

FIGURE
VAPOR INTRUSION SAMPLING LOCATIONS

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR — ORANGE COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

SHEET 1 OF 1

DWG. NO: 17-288

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Mary Loughlin Date/Time Prepared 3/9/2022 11:00

Preparer's Affiliation Consultant - C.T. Male Phone No. (845) 454-4400

Purpose of Investigation SVI Sampling

1. OCCUPANT:

site contacts: Mike Griffin, plant manager (845) 565-8500 ext 182

Interviewed: Y (N)

Last Name: USAI Lighting First Name: _____

Address: 1126 River Road, New Windsor, NY

County: Orange

Home Phone: _____ Office Phone: (845) 565-8500

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant X)

Interviewed: Y (N)

Last Name: Same as above First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? –

If the property is commercial, type?

Business Type(s) Manufacturing

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? –

Other characteristics:

Number of floors 2 Building age unknown

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor: N/A	concrete	dirt	stone	other _____
d. Basement floor: N/A	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	~~sealed with~~ _____	
f. Foundation walls:	poured	block	stone	other Unknown
g. Foundation walls:	unsealed	sealed	sealed with Unknown	
h. The basement is: N/A	wet	damp	dry	moldy
i. The basement is: N/A	finished	unfinished	partially finished	
j. Sump present? N/A	Y / N			
k. Water in sump?	Y / N	not applicable		

Sealed in portions of the building.

Basement/Lowest level depth below grade: - (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
~~Electric~~	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? (Y) / N office spaces only

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Above drop ceiling, not visible

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A - no basement
1st Floor	offices, bathrooms, warehouse storage, production, cafeteria
2nd Floor	offices
3rd Floor	N/A - no 3rd floor
4th Floor	N/A - no 4th floor

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify -

d. Has the building ever had a fire? Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? -

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? workshop/production + assembly areas

g. Is there smoking in the building? Y / (N) How frequently? -

h. Have cleaning products been used recently? (Y) / N When & Type? Housekeeping / General office cleaning

i. Have cosmetic products been used recently? Y / N When & Type? Unknown

j. Has painting/staining been done in the last 6 months? Y / N Where & When? Unknown

k. Is there new carpet, drapes or other textiles? Y / N Where & When? Unknown

l. Have air fresheners been used recently? Y / N When & Type? Unknown

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? -

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? -

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? -

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? (Y) / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Cleaning, Powdercoating, painting

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — (No)
Yes, use dry-cleaning infrequently (monthly or less) — (Unknown)
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: ~~Unknown~~ 2016-2018
Is the system active or passive? Active/(Passive)

SSDS as part of remedial action for BCP site.

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) N / A

a. Provide reasons why relocation is recommended: -

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel N/A

c. Responsibility for costs associated with reimbursement explained? Y / N N/A

d. Relocation package provided and explained to residents? Y / N N/A

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

N/A

First Floor:

See attached

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See attached

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MGD-2007 Multi-gas detector
PID- Minirae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
V1-3/ 1A-3	Dawn Dish Soap Detergent	1.12L (X11)	UO	H_2O, Sodium Lauryl sulfate, C10-16 Alkyldimethylamine Oxide, etc. Biodegradable surfactants	0.0	Y
	Soft Scrub cleanser with bleach		UO	Sodium hypochlorite, other ingredients (98.9%) not listed	0.0	Y
	Microban Sanitizing Spray	354g (X5)	UO	Alkyl dimethyl benzyl ammonium chloride, + other ammonium chloride active ingredients	0.0	Y
	Uline hand soap cleanser	221mL (X13)	UO	Benzalkonium chloride	0.0	Y
	Lysol toilet bowl cleaner	946mL (X6)	UO	Hydrochloric Acid	0.0	Y
	Uline air freshener Spray S-17146	397g (X12)	UO	Propane, isobutane, isopropyl Alcohol, Linalool, Ethyl methylphenylglycidate	0.0	Y
	Purell Sanitizing Wipes	X3	U	Benzalkonium Chloride	0.0	Y
	Purell Gel Hand Sanitizer cleanser	8 FlOz X27	UO	Ethyl Alcohol 70%, water, isopropyl alcohol	0.0	Y
	~~Lysol cleansing Wipes tuspraycap~~	—	~~UO~~	see chlorox wipes - not Lysol	—	—
	Lysol cleaning Spray aerisol	283g (X30)	UO	Triethylene glycol, dimethyl benzyl ammonium saccharinate	0-6	Y
	Pledge Lemon clean Furniture spray	341g (X5)	UO	Water, Lubricant blend, Naptha, Petroleum, Nitrogen, Polyoxyethylene	0.0	Y
	Chlorox disinfecting wipes	1.21b (X8)	UO	Ammonium chloride, other ingredients (99.6%) not listed	0.0	Y
	Ajax Dish detergent/ hand soap liquid	28 Fl oz (X5)	UO	Water, Ammonium Lauryl sulfate, other surfactants	0.0	Y
	Dial Foaming Hand Soap	1 gal. (X1)	UO	Benzalkonium chloride	0.0	Y

No products observed at remaining sampling locations.

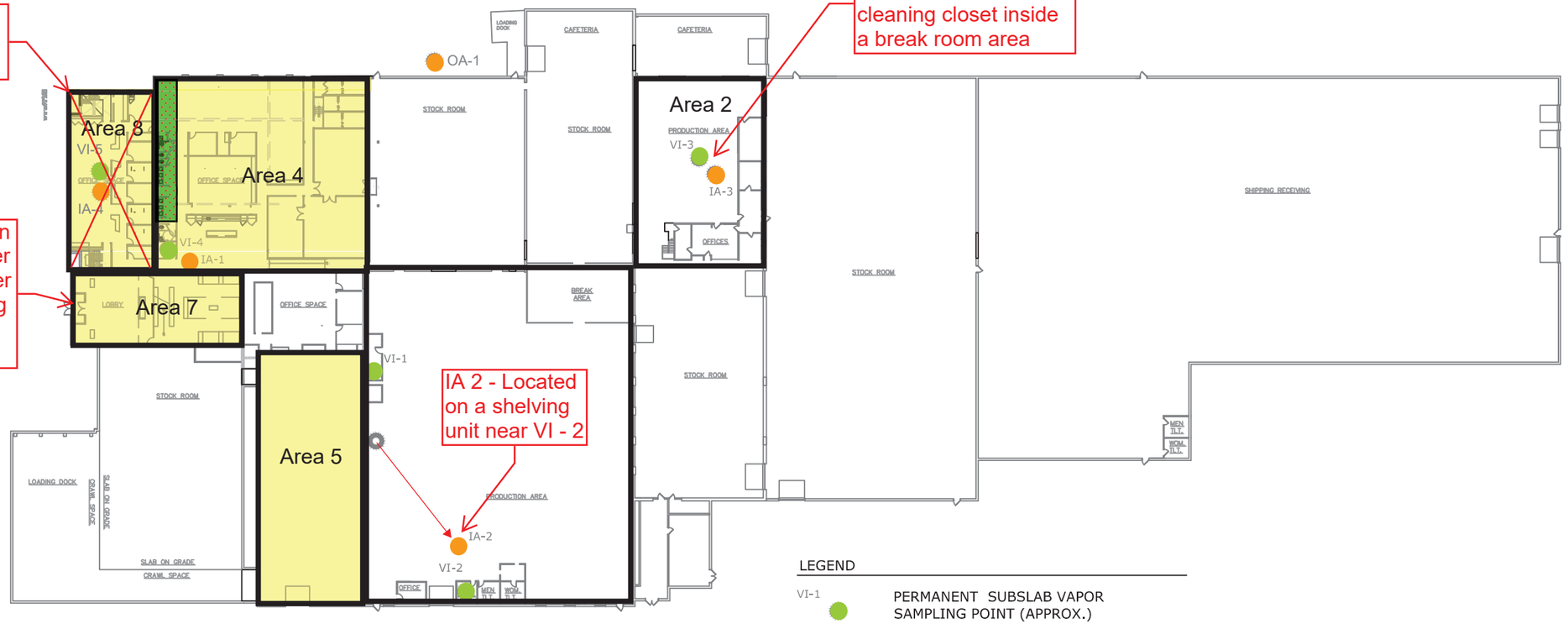
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

V1-3/1A3 location is in a storage closet of kitchen and cleaning materials

XREFS: NONE

PROJECT NUMBER: 14.4337

CAD DWG. FILE NAME: VI Perm Sampling Map.dwg



LEGEND

VI-1	PERMANENT SUBSLAB VAPOR SAMPLING POINT (APPROX.)
IA-1	TEMPORARY INDOOR AIR SAMPLING POINT
OA-1	TEMPORARY OUTDOOR AIR SAMPLING POINT
	AREAS WITH PASSIVE SSDS

NOTE: VI MITIGATION MEASURES FOR ALL AREAS DEPICTED IN RECORD DRAWING "BUILDING VAPOR MITITGATION INTRUSION MEASURES", WM-1 BY FELLENZER ENGINEERING (DATED 11/23/16, REVISED 12/2/2016) AND CONSTRUCTION COMPLETION REPORT FOR SSDS IN 2-STORY OFFICE BUILDING BY C.T. MALE (DATED MARCH 29, 2018).

NOTE:
THE LOCATIONS AND FEATURES DEPICTED IN THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY BY C.T. MALE.

MAP REFERENCE:
BUILDING FLOOR PLAN PROVIDED BY FELLENZER ENGINEERING LLP OF MIDDLETOWN, NY.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
3/29/19	1	Sampling locations modified	RAM		
4/13/20	2	SSDS loc. and other areas/shading	RAM		
1/27/21	3	ECs deficiencies per 1/25/2021 visit	RAM		
	4				
	5				
	6				
	7				
	8				
	9				

DESIGNED :
DRAFTED : J.MARX
CHECKED : J.MCIVER
PROJ. NO : 14.4337
SCALE : NOT TO SCALE
DATE : MAY 2, 2017

FIGURE
VAPOR INTRUSION SAMPLING LOCATIONS

USAI LIGHTING FACILITY
1126 RIVER ROAD

TOWN OF NEW WINDSOR — ORANGE COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

SHEET 1 OF 1
DWG. NO: 17-288

CAD DWG. FILE NAME: K:\Projects\144337\Env\Drawings and Maps\VI Perm Sampling Map.dwg

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

PROJECT AREA
Project Id : USAI LIGHTING

	CAS	Units	Matrix	Matrix Recommendations	Lab Sample Id / Collection Date / Client Id / Matrix	Result	RL	Qual	MDL
Volatiles (TO15) By TO15									
					CK84902 / 3/9/2022 / VI-3-220309 / Air				
					CK84904 / 3/9/2022 / IA-3-220309 / Air				
					CK84903 / 3/9/2022 / VI-1-220309 / Air				
					CK84901 / 3/9/2022 / VI-2-220309 / Air				
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	B	**No further action**	CK84902	32.4	1.00		1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	4.03	1.00		1.00
					CK84901	< 1.00	1.00	U	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,1-Dichloroethane	75-34-3	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,1-Dichloroethene	75-35-4	ug/m3	A	**No further action**	CK84902	< 0.20	0.20	U	0.20
					CK84904	< 0.20	0.20	U	0.20
					CK84903	< 0.20	0.20	U	0.20
					CK84901	< 0.20	0.20	U	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3			CK84902	1.2	1.00		1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	2.49	1.00		1.00
					CK84901	1.31	1.00		1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,2-Dichloroethane	107-06-2	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,2-dichloropropane	78-87-5	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,3-Butadiene	106-99-0	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
1,4-Dioxane	123-91-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
2-Hexanone(MBK)	591-78-6	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
4-Ethyltoluene	622-96-8	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
4-Isopropyltoluene	99-87-6	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Acetone	67-64-1	ug/m3			CK84902	7.48	1.00		1.00
					CK84904	129	1.00	E	1.00
					CK84903	18.4	1.00		1.00
					CK84901	9.64	1.00		1.00
Acrylonitrile	107-13-1	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Benzene	71-43-2	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Benzyl chloride	100-44-7	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Bromodichloromethane	75-27-4	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Bromoform	75-25-2	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Bromomethane	74-83-9	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Carbon Disulfide	75-15-0	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Carbon Tetrachloride	56-23-5	ug/m3	A	**No further action**	CK84902	0.43	0.20		0.20
					CK84904	0.59	0.20		0.20
					CK84903	1.2	0.20		0.20
					CK84901	0.41	0.20		0.20
Chlorobenzene	108-90-7	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Chloroethane	75-00-3	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Chloroform	67-66-3	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	< 1.00	1.00	U	1.00
					CK84903	2.19	1.00		1.00
					CK84901	< 1.00	1.00	U	1.00
Chloromethane	74-87-3	ug/m3			CK84902	< 1.00	1.00	U	1.00
					CK84904	1.87	1.00		1.00
					CK84903	< 1.00	1.00	U	1.00
					CK84901	< 1.00	1.00	U	1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	A	**No further action**	CK84902	< 0.20	0.20	U	0.20
					CK84904	< 0.20	0.20	U	0.20
					CK84903	< 0.20	0.20	U	0.20
					CK84901	< 0.20	0.20	U	0.20

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

PROJECT AREA
Project Id : USAI LIGHTING

	Lab Sample Id				CK84902				CK84904				CK84903				CK84901			
	Collection Date				3/9/2022				3/9/2022				3/9/2022				3/9/2022			
	Client Id				VI-3-220309				IA-3-220309				VI-1-220309				VI-2-220309			
	Matrix				Air				Air				Air				Air			
					AREA 2								AREA 3A							
	CAS	Units	Matrix	Matrix Recommendations	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TO15) By TO15																				
cis-1,3-Dichloropropene	10061-01-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Cyclohexane	110-82-7	ug/m3			< 1.00	1.00	U	1.00	1.07	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Dibromochloromethane	124-48-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Dichlorodifluoromethane	75-71-8	ug/m3			2.09	1.00		1.00	2.63	1.00		1.00	2.52	1.00		1.00	2.23	1.00		1.00
Ethanol	64-17-5	ug/m3			22.2	1.00		1.00	1,050	1.00	E	1.00	57.6	1.00		1.00	23.3	1.00		1.00
Ethyl acetate	141-78-6	ug/m3			< 1.00	1.00	U	1.00	9.44	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Ethylbenzene	100-41-4	ug/m3			1.67	1.00		1.00	8.98	1.00		1.00	2.7	1.00		1.00	1.68	1.00		1.00
Heptane	142-82-5	ug/m3			< 1.00	1.00	U	1.00	1.29	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Hexachlorobutadiene	87-68-3	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Hexane	110-54-3	ug/m3			2.05	1.00		1.00	2.03	1.00		1.00	< 1.00	1.00	U	1.00	1.1	1.00		1.00
Isopropylalcohol	67-63-0	ug/m3			2.07	1.00		1.00	33.2	1.00		1.00	3.98	1.00		1.00	1.38	1.00		1.00
Isopropylbenzene	98-82-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
m,p-Xylene	179601-23-1	ug/m3			6.64	1.00		1.00	35.2	1.00		1.00	10.6	1.00		1.00	6.77	1.00		1.00
Methyl Ethyl Ketone	78-93-3	ug/m3			< 1.00	1.00	U	1.00	7.63	1.00		1.00	1.63	1.00		1.00	< 1.00	1.00	U	1.00
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Methylene Chloride	75-09-2	ug/m3	B	**No further action**	7.01	3.00		3.00	< 3.00	3.00	U	3.00	< 3.00	3.00	U	3.00	4.65	3.00		3.00
n-Butylbenzene	104-51-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
o-Xylene	95-47-6	ug/m3			2.87	1.00		1.00	14.8	1.00		1.00	4.51	1.00		1.00	2.89	1.00		1.00
Propylene	115-07-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
sec-Butylbenzene	135-98-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Styrene	100-42-5	ug/m3			< 1.00	1.00	U	1.00	2.81	1.00		1.00	1.12	1.00		1.00	< 1.00	1.00	U	1.00
Tetrachloroethene	127-18-4	ug/m3	B	**No further action**	260	0.25		0.25	0.67	0.25		0.25	2.23	0.25		0.25	1.28	0.25		0.25
Tetrahydrofuran	109-99-9	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Toluene	108-88-3	ug/m3			1.92	1.00		1.00	3.65	1.00		1.00	2.64	1.00		1.00	2.05	1.00		1.00
Trans-1,2-Dichloroethene	156-60-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Trichloroethene	79-01-6	ug/m3	A	**No further action**	1.51	0.20		0.20	< 0.20	0.20	U	0.20	11.2	0.20		0.20	1.03	0.20		0.20
Trichlorofluoromethane	75-69-4	ug/m3			2.14	1.00		1.00	1.98	1.00		1.00	1.59	1.00		1.00	1.21	1.00		1.00
Trichlorotrifluoroethane	76-13-1	ug/m3			1.95	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Vinyl Chloride	75-01-4	ug/m3	C	**No further action**	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20

Qualifiers

U - The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percentsolids, weight and/or volume calculations, and dilution factors.

J - The value is estimated. This flag is used

a) on form 1 when the compound is reported above the MDL, but below the PQL, and

b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N - The concentration is based on the response fo the nearest internal. This flag is used on the TIC form all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D - The reported concentration is the result of a diluted analysis.

Results Detected

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

PROJECT AREA
Project Id : USAI LIGHTING

	CAS	Units	Matrix	Matrix Recommendations	Lab Sample Id: CK84898 Collection Date: 3/9/2022 Client Id: IA-2-220309 Matrix: Air AREA 3A				Lab Sample Id: CK84900 Collection Date: 3/9/2022 Client Id: VI-4-220309 Matrix: Air AREA 4				Lab Sample Id: CK84899 Collection Date: 3/9/2022 Client Id: IA-1-220309 Matrix: Air AREA 4				Lab Sample Id: CK84897 Collection Date: 3/9/2022 Client Id: OA-1-220309 Matrix: Air OUTSIDE			
					Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TO15) By TO15																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	B	**No further action**	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1-Dichloroethane	75-34-3	ug/m3			< 1.00	1.00	U	1.00	2.45	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,1-Dichloroethene	75-35-4	ug/m3	A	**No further action**	< 0.20	0.20	U	0.20	0.39	0.20		0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3			< 1.00	1.00	U	1.00	2.01	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichloroethane	107-06-2	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-dichloropropane	78-87-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,3-Butadiene	106-99-0	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
1,4-Dioxane	123-91-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
2-Hexanone(MBK)	591-78-6	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
4-Ethyltoluene	622-96-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
4-Isopropyltoluene	99-87-6	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3			< 1.00	1.00	U	1.00	1.68	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Acetone	67-64-1	ug/m3			135	1.00	E	1.00	69.1	1.00		1.00	62.4	1.00		1.00	28.7	1.00		1.00
Acrylonitrile	107-13-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Benzene	71-43-2	ug/m3			< 1.00	1.00	U	1.00	1.17	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Benzyl chloride	100-44-7	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Bromodichloromethane	75-27-4	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Bromoform	75-25-2	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Bromomethane	74-83-9	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Carbon Disulfide	75-15-0	ug/m3			< 1.00	1.00	U	1.00	1.36	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Carbon Tetrachloride	56-23-5	ug/m3	A	**No further action**	0.46	0.20		0.20	0.52	0.20		0.20	0.47	0.20		0.20	0.43	0.20		0.20
Chlorobenzene	108-90-7	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Chloroethane	75-00-3	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Chloroform	67-66-3	ug/m3			< 1.00	1.00	U	1.00	2.34	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Chloromethane	74-87-3	ug/m3			1.44	1.00		1.00	1.16	1.00		1.00	1.47	1.00		1.00	1.28	1.00		1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	A	**No further action**	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

PROJECT AREA
Project Id : USAI LIGHTING

	Lab Sample Id				CK84898				CK84900				CK84899				CK84897			
	Collection Date				3/9/2022				3/9/2022				3/9/2022				3/9/2022			
	Client Id				IA-2-220309				VI-4-220309				IA-1-220309				OA-1-220309			
	Matrix				Air				Air				Air				Air			
					AREA 3A				AREA 4				AREA 4				OUTSIDE			
	CAS	Units	Matrix	Matrix Recommendations	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Volatiles (TO15) By TO15																				
cis-1,3-Dichloropropene	10061-01-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Cyclohexane	110-82-7	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1	1.00		1.00	< 1.00	1.00	U	1.00
Dibromochloromethane	124-48-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Dichlorodifluoromethane	75-71-8	ug/m3			2.26	1.00		1.00	2.49	1.00		1.00	2.23	1.00		1.00	2.26	1.00		1.00
Ethanol	64-17-5	ug/m3			554	1.00	E	1.00	124	5.01		5.01	1,140	1.00	E	1.00	83.6	1.00	E	1.00
Ethyl acetate	141-78-6	ug/m3			7.17	1.00		1.00	< 1.00	1.00	U	1.00	1.51	1.00		1.00	< 1.00	1.00	U	1.00
Ethylbenzene	100-41-4	ug/m3			5.21	1.00		1.00	1.46	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Heptane	142-82-5	ug/m3			1.08	1.00		1.00	1.46	1.00		1.00	2.26	1.00		1.00	< 1.00	1.00	U	1.00
Hexachlorobutadiene	87-68-3	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Hexane	110-54-3	ug/m3			1.8	1.00		1.00	1.33	1.00		1.00	1.48	1.00		1.00	1.34	1.00		1.00
Isopropylalcohol	67-63-0	ug/m3			54.8	1.00		1.00	18.3	1.00		1.00	43.5	1.00		1.00	7.17	1.00		1.00
Isopropylbenzene	98-82-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
m,p-Xylene	179601-23-1	ug/m3			20.1	1.00		1.00	4.69	1.00		1.00	2.72	1.00		1.00	3	1.00		1.00
Methyl Ethyl Ketone	78-93-3	ug/m3			9.64	1.00		1.00	30.1	1.00		1.00	7.4	1.00		1.00	1.87	1.00		1.00
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Methylene Chloride	75-09-2	ug/m3	B	**No further action**	< 3.00	3.00	U	3.00	< 3.00	3.00	U	3.00	< 3.00	3.00	U	3.00	< 3.00	3.00	U	3.00
n-Butylbenzene	104-51-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
o-Xylene	95-47-6	ug/m3			8.51	1.00		1.00	1.97	1.00		1.00	1.17	1.00		1.00	1.1	1.00		1.00
Propylene	115-07-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
sec-Butylbenzene	135-98-8	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Styrene	100-42-5	ug/m3			2.11	1.00		1.00	1.05	1.00		1.00	1.24	1.00		1.00	< 1.00	1.00	U	1.00
Tetrachloroethene	127-18-4	ug/m3	B	**No further action**	0.61	0.25		0.25	3.66	0.25		0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25
Tetrahydrofuran	109-99-9	ug/m3			< 1.00	1.00	U	1.00	3.86	1.00		1.00	5.95	1.00		1.00	< 1.00	1.00	U	1.00
Toluene	108-88-3	ug/m3			3.64	1.00		1.00	697	5.01		5.01	19.1	1.00		1.00	1.63	1.00		1.00
Trans-1,2-Dichloroethene	156-60-5	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Trichloroethene	79-01-6	ug/m3	A	**No further action**	< 0.20	0.20	U	0.20	0.62	0.20		0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20
Trichlorofluoromethane	75-69-4	ug/m3			1.62	1.00		1.00	1.58	1.00		1.00	2.53	1.00		1.00	1.22	1.00		1.00
Trichlorotrifluoroethane	76-13-1	ug/m3			< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
Vinyl Chloride	75-01-4	ug/m3	C	**No further action**	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20	< 0.20	0.20	U	0.20

Qualifiers

U - The compound was anlayzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percentsolids, weight and/or volume calculations, and dilution factors.

J - The value is estimated. This flag is used

a) on form 1 when the compound is reported above the MDL, but below the PQL, and

b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N - The concentration is based on the response fo the nearest internal. This flag is used on the TIC form all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D - The reported concentration is the result of a diluted analysis.

Results Detected

Thursday, March 17, 2022

Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Project ID: **USAI LIGHTING**
SDG ID: **GCK84897**
Sample ID#s: **CK84897 - CK84904**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

March 17, 2022

SDG I.D.: GCK84897

Project ID: USAI LIGHTING

Client Id	Lab Id	Matrix
OA-1-220309	CK84897	AIR
IA-2-220309	CK84898	AIR
IA-1-220309	CK84899	AIR
VI-4-220309	CK84900	AIR
VI-2-220309	CK84901	AIR
VI-3-220309	CK84902	AIR
VI-1-220309	CK84903	AIR
IA-3-220309	CK84904	AIR

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	16:45
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	18111				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84897

Project ID: USAI LIGHTING
Client ID: OA-1-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	
Acetone	12.1	*0.421*	0.421	28.7	*1.00*	1.00	03/11/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: OA-1-220309

Phoenix I.D.: CK84897

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Tetrachloride	0.068		*0.032*	0.032	0.43	*0.20*	0.20	03/11/22	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloromethane	0.622		*0.485*	0.485	1.28	*1.00*	1.00	03/11/22	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/11/22	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/11/22	KCA	1	
Dichlorodifluoromethane	0.457		*0.202*	0.202	2.26	*1.00*	1.00	03/11/22	KCA	1	
Ethanol	44.4	E	*0.531*	0.531	83.6	*1.00*	1.00	03/11/22	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/11/22	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/11/22	KCA	1	
Hexane	0.379		*0.284*	0.284	1.34	*1.00*	1.00	03/11/22	KCA	1	
Isopropylalcohol	2.92		*0.407*	0.407	7.17	*1.00*	1.00	03/11/22	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
m,p-Xylene	0.691		*0.230*	0.230	3.00	*1.00*	1.00	03/11/22	KCA	1	
Methyl Ethyl Ketone	0.635		*0.339*	0.339	1.87	*1.00*	1.00	03/11/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	03/11/22	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
o-Xylene	0.254		*0.230*	0.230	1.10	*1.00*	1.00	03/11/22	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/11/22	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/11/22	KCA	1	
Tetrachloroethene	ND		*0.037*	0.037	ND	*0.25*	0.25	03/11/22	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/11/22	KCA	1	1
Toluene	0.432		*0.266*	0.266	1.63	*1.00*	1.00	03/11/22	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/11/22	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	03/11/22	KCA	1	
Trichlorofluoromethane	0.217		*0.178*	0.178	1.22	*1.00*	1.00	03/11/22	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/11/22	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	03/11/22	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	102		*%*	%	102	*%*	%	03/11/22	KCA	1	
% IS-1,4-Difluorobenzene	88		*%*	%	88	*%*	%	03/11/22	KCA	1	
% IS-Bromochloromethane	90		*%*	%	90	*%*	%	03/11/22	KCA	1	
% IS-Chlorobenzene-d5	86		*%*	%	86	*%*	%	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: OA-1-220309

Phoenix I.D.: CK84897

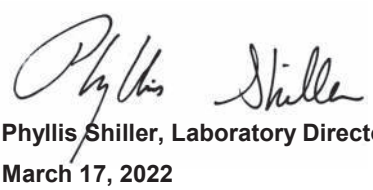
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	17:50
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	481				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84898

Project ID: USAI LIGHTING
Client ID: IA-2-220309

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	
Acetone	56.8	E	*0.421*	0.421	135	*1.00*	1.00	03/11/22	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: IA-2-220309

Phoenix I.D.: CK84898

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Tetrachloride	0.073		*0.032*	0.032	0.46	*0.20*	0.20	03/11/22	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloromethane	0.696		*0.485*	0.485	1.44	*1.00*	1.00	03/11/22	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/11/22	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/11/22	KCA	1	
Dichlorodifluoromethane	0.457		*0.202*	0.202	2.26	*1.00*	1.00	03/11/22	KCA	1	
Ethanol	294	E	*0.531*	0.531	554	*1.00*	1.00	03/11/22	KCA	1	1
Ethyl acetate	1.99		*0.278*	0.278	7.17	*1.00*	1.00	03/11/22	KCA	1	1
Ethylbenzene	1.20		*0.230*	0.230	5.21	*1.00*	1.00	03/11/22	KCA	1	
Heptane	0.264		*0.244*	0.244	1.08	*1.00*	1.00	03/11/22	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/11/22	KCA	1	
Hexane	0.511		*0.284*	0.284	1.80	*1.00*	1.00	03/11/22	KCA	1	
Isopropylalcohol	22.3		*0.407*	0.407	54.8	*1.00*	1.00	03/11/22	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
m,p-Xylene	4.64		*0.230*	0.230	20.1	*1.00*	1.00	03/11/22	KCA	1	
Methyl Ethyl Ketone	3.27		*0.339*	0.339	9.6	*1.00*	1.00	03/11/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	03/11/22	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
o-Xylene	1.96		*0.230*	0.230	8.51	*1.00*	1.00	03/11/22	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/11/22	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
Styrene	0.496		*0.235*	0.235	2.11	*1.00*	1.00	03/11/22	KCA	1	
Tetrachloroethene	0.090		*0.037*	0.037	0.61	*0.25*	0.25	03/11/22	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/11/22	KCA	1	1
Toluene	0.967		*0.266*	0.266	3.64	*1.00*	1.00	03/11/22	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/11/22	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	03/11/22	KCA	1	
Trichlorofluoromethane	0.289		*0.178*	0.178	1.62	*1.00*	1.00	03/11/22	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/11/22	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	03/11/22	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	102		*%*	%	102	*%*	%	03/11/22	KCA	1	
% IS-1,4-Difluorobenzene	82		*%*	%	82	*%*	%	03/11/22	KCA	1	
% IS-Bromochloromethane	86		*%*	%	86	*%*	%	03/11/22	KCA	1	
% IS-Chlorobenzene-d5	83		*%*	%	83	*%*	%	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: IA-2-220309

Phoenix I.D.: CK84898

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

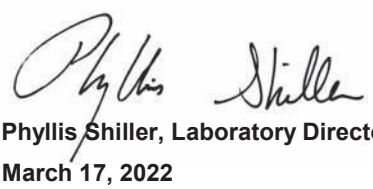
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	16:05
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23334				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84899

Project ID: USAI LIGHTING
Client ID: IA-1-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	
Acetone	26.3	*0.421*	0.421	62.4	*1.00*	1.00	03/11/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: IA-1-220309

Phoenix I.D.: CK84899

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Tetrachloride	0.074		*0.032*	0.032	0.47	*0.20*	0.20	03/11/22	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloromethane	0.710		*0.485*	0.485	1.47	*1.00*	1.00	03/11/22	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Cyclohexane	0.292		*0.291*	0.291	1.00	*1.00*	1.00	03/11/22	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/11/22	KCA	1	
Dichlorodifluoromethane	0.451		*0.202*	0.202	2.23	*1.00*	1.00	03/11/22	KCA	1	
Ethanol	605	E	*0.531*	0.531	1140	*1.00*	1.00	03/11/22	KCA	1	1
Ethyl acetate	0.419		*0.278*	0.278	1.51	*1.00*	1.00	03/11/22	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/11/22	KCA	1	
Heptane	0.551		*0.244*	0.244	2.26	*1.00*	1.00	03/11/22	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/11/22	KCA	1	
Hexane	0.421		*0.284*	0.284	1.48	*1.00*	1.00	03/11/22	KCA	1	
Isopropylalcohol	17.7		*0.407*	0.407	43.5	*1.00*	1.00	03/11/22	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
m,p-Xylene	0.626		*0.230*	0.230	2.72	*1.00*	1.00	03/11/22	KCA	1	
Methyl Ethyl Ketone	2.51		*0.339*	0.339	7.40	*1.00*	1.00	03/11/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	03/11/22	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
o-Xylene	0.269		*0.230*	0.230	1.17	*1.00*	1.00	03/11/22	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/11/22	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
Styrene	0.292		*0.235*	0.235	1.24	*1.00*	1.00	03/11/22	KCA	1	
Tetrachloroethene	ND		*0.037*	0.037	ND	*0.25*	0.25	03/11/22	KCA	1	
Tetrahydrofuran	2.02		*0.339*	0.339	5.95	*1.00*	1.00	03/11/22	KCA	1	1
Toluene	5.06		*0.266*	0.266	19.1	*1.00*	1.00	03/11/22	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/11/22	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	03/11/22	KCA	1	
Trichlorofluoromethane	0.451		*0.178*	0.178	2.53	*1.00*	1.00	03/11/22	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/11/22	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	03/11/22	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	103		*%*	%	103	*%*	%	03/11/22	KCA	1	
% IS-1,4-Difluorobenzene	84		*%*	%	84	*%*	%	03/11/22	KCA	1	
% IS-Bromochloromethane	86		*%*	%	86	*%*	%	03/11/22	KCA	1	
% IS-Chlorobenzene-d5	84		*%*	%	84	*%*	%	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: IA-1-220309

Phoenix I.D.: CK84899

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
March 17, 2022
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	16:35
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19933				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84900

Project ID: USAI LIGHTING
Client ID: VI-4-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethane	0.605	*0.247*	0.247	2.45	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethene	0.099	*0.051*	0.051	0.39	*0.20*	0.20	03/14/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2,4-Trimethylbenzene	0.409	*0.204*	0.204	2.01	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.411	*0.244*	0.244	1.68	*1.00*	1.00	03/14/22	KCA	1	
Acetone	29.1	*0.421*	0.421	69.1	*1.00*	1.00	03/14/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzene	0.368	*0.313*	0.313	1.17	*1.00*	1.00	03/14/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/14/22	KCA	1	

Ver 1

Project ID: USAI LIGHTING
Client ID: VI-4-220309

Phoenix I.D.: CK84900

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Disulfide	0.437	*0.321*	0.321	1.36	*1.00*	1.00	03/14/22	KCA	1	
Carbon Tetrachloride	0.083	*0.032*	0.032	0.52	*0.20*	0.20	03/14/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroform	0.479	*0.205*	0.205	2.34	*1.00*	1.00	03/14/22	KCA	1	
Chloromethane	0.561	*0.485*	0.485	1.16	*1.00*	1.00	03/14/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	03/14/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/14/22	KCA	1	
Dichlorodifluoromethane	0.504	*0.202*	0.202	2.49	*1.00*	1.00	03/14/22	KCA	1	
Ethanol	65.6	*2.66*	2.66	124	*5.01*	5.01	03/11/22	KCA	5	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	1
Ethylbenzene	0.337	*0.230*	0.230	1.46	*1.00*	1.00	03/14/22	KCA	1	
Heptane	0.357	*0.244*	0.244	1.46	*1.00*	1.00	03/14/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexane	0.377	*0.284*	0.284	1.33	*1.00*	1.00	03/14/22	KCA	1	
Isopropylalcohol	7.46	*0.407*	0.407	18.3	*1.00*	1.00	03/14/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
m,p-Xylene	1.08	*0.230*	0.230	4.69	*1.00*	1.00	03/14/22	KCA	1	
Methyl Ethyl Ketone	10.2	*0.339*	0.339	30.1	*1.00*	1.00	03/14/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	03/14/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
o-Xylene	0.455	*0.230*	0.230	1.97	*1.00*	1.00	03/14/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/14/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
Styrene	0.246	*0.235*	0.235	1.05	*1.00*	1.00	03/14/22	KCA	1	
Tetrachloroethene	0.540	*0.037*	0.037	3.66	*0.25*	0.25	03/14/22	KCA	1	
Tetrahydrofuran	1.31	*0.339*	0.339	3.86	*1.00*	1.00	03/14/22	KCA	1	1
Toluene	185	*1.33*	1.33	697	*5.01*	5.01	03/11/22	KCA	5	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/14/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Trichloroethene	0.115	*0.037*	0.037	0.62	*0.20*	0.20	03/14/22	KCA	1	
Trichlorofluoromethane	0.281	*0.178*	0.178	1.58	*1.00*	1.00	03/14/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/14/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/14/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	103	*%*	%	103	*%*	%	03/14/22	KCA	1	
% IS-1,4-Difluorobenzene	99	*%*	%	99	*%*	%	03/14/22	KCA	1	
% IS-Bromochloromethane	98	*%*	%	98	*%*	%	03/14/22	KCA	1	
% IS-Chlorobenzene-d5	107	*%*	%	107	*%*	%	03/14/22	KCA	1	
% Bromofluorobenzene (5x)	99	*%*	%	99	*%*	%	03/11/22	KCA	5	
% IS-1,4-Difluorobenzene (5x)	83	*%*	%	83	*%*	%	03/11/22	KCA	5	
% IS-Bromochloromethane (5x)	85	*%*	%	85	*%*	%	03/11/22	KCA	5	
% IS-Chlorobenzene-d5 (5x)	83	*%*	%	83	*%*	%	03/11/22	KCA	5	

Ver 1

Project ID: USAI LIGHTING
Client ID: VI-4-220309

Phoenix I.D.: CK84900

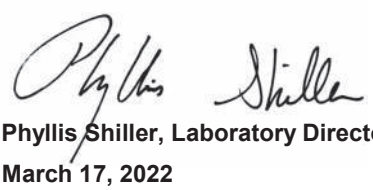
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	17:45
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28601				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84901

Project ID: USAI LIGHTING
Client ID: VI-2-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2,4-Trimethylbenzene	0.266	*0.204*	0.204	1.31	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Acetone	4.06	*0.421*	0.421	9.6	*1.00*	1.00	03/14/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/14/22	KCA	1	

Ver 1

Project ID: USAI LIGHTING
Client ID: VI-2-220309

Phoenix I.D.: CK84901

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Tetrachloride	0.066	*0.032*	0.032	0.41	*0.20*	0.20	03/14/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/14/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	03/14/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/14/22	KCA	1	
Dichlorodifluoromethane	0.452	*0.202*	0.202	2.23	*1.00*	1.00	03/14/22	KCA	1	
Ethanol	12.4	*0.531*	0.531	23.3	*1.00*	1.00	03/14/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	1
Ethylbenzene	0.387	*0.230*	0.230	1.68	*1.00*	1.00	03/14/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexane	0.313	*0.284*	0.284	1.10	*1.00*	1.00	03/14/22	KCA	1	
Isopropylalcohol	0.561	*0.407*	0.407	1.38	*1.00*	1.00	03/14/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
m,p-Xylene	1.56	*0.230*	0.230	6.77	*1.00*	1.00	03/14/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	03/14/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
Methylene Chloride	1.34	*0.863*	0.863	4.65	*3.00*	3.00	03/14/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
o-Xylene	0.666	*0.230*	0.230	2.89	*1.00*	1.00	03/14/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/14/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	03/14/22	KCA	1	
Tetrachloroethene	0.189	*0.037*	0.037	1.28	*0.25*	0.25	03/14/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/14/22	KCA	1	1
Toluene	0.543	*0.266*	0.266	2.05	*1.00*	1.00	03/14/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/14/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Trichloroethene	0.191	*0.037*	0.037	1.03	*0.20*	0.20	03/14/22	KCA	1	
Trichlorofluoromethane	0.216	*0.178*	0.178	1.21	*1.00*	1.00	03/14/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/14/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/14/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	102	*%*	%	102	*%*	%	03/14/22	KCA	1	
% IS-1,4-Difluorobenzene	99	*%*	%	99	*%*	%	03/14/22	KCA	1	
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	03/14/22	KCA	1	
% IS-Chlorobenzene-d5	102	*%*	%	102	*%*	%	03/14/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: VI-2-220309

Phoenix I.D.: CK84901

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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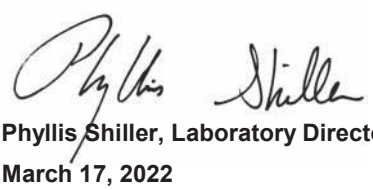


Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	17:15
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	16014				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84902

Project ID: USAI LIGHTING
Client ID: VI-3-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	1
1,1,1-Trichloroethane	5.94	*0.183*	0.183	32.4	*1.00*	1.00	03/14/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2,4-Trimethylbenzene	0.244	*0.204*	0.204	1.20	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Acetone	3.15	*0.421*	0.421	7.48	*1.00*	1.00	03/14/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/14/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: VI-3-220309

Phoenix I.D.: CK84902

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Tetrachloride	0.068	*0.032*	0.032	0.43	*0.20*	0.20	03/14/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/14/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	03/14/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/14/22	KCA	1	
Dichlorodifluoromethane	0.423	*0.202*	0.202	2.09	*1.00*	1.00	03/14/22	KCA	1	
Ethanol	11.8	*0.531*	0.531	22.2	*1.00*	1.00	03/14/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	1
Ethylbenzene	0.384	*0.230*	0.230	1.67	*1.00*	1.00	03/14/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexane	0.582	*0.284*	0.284	2.05	*1.00*	1.00	03/14/22	KCA	1	
Isopropylalcohol	0.842	*0.407*	0.407	2.07	*1.00*	1.00	03/14/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
m,p-Xylene	1.53	*0.230*	0.230	6.64	*1.00*	1.00	03/14/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	03/14/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
Methylene Chloride	2.02	*0.863*	0.863	7.01	*3.00*	3.00	03/14/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
o-Xylene	0.662	*0.230*	0.230	2.87	*1.00*	1.00	03/14/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/14/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	03/14/22	KCA	1	
Tetrachloroethene	38.4	*0.037*	0.037	260	*0.25*	0.25	03/14/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/14/22	KCA	1	1
Toluene	0.509	*0.266*	0.266	1.92	*1.00*	1.00	03/14/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/14/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Trichloroethene	0.282	*0.037*	0.037	1.51	*0.20*	0.20	03/14/22	KCA	1	
Trichlorofluoromethane	0.381	*0.178*	0.178	2.14	*1.00*	1.00	03/14/22	KCA	1	
Trichlorotrifluoroethane	0.255	*0.131*	0.131	1.95	*1.00*	1.00	03/14/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/14/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	102	*%*	%	102	*%*	%	03/14/22	KCA	1	
% IS-1,4-Difluorobenzene	100	*%*	%	100	*%*	%	03/14/22	KCA	1	
% IS-Bromochloromethane	103	*%*	%	103	*%*	%	03/14/22	KCA	1	
% IS-Chlorobenzene-d5	105	*%*	%	105	*%*	%	03/14/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: VI-3-220309

Phoenix I.D.: CK84902

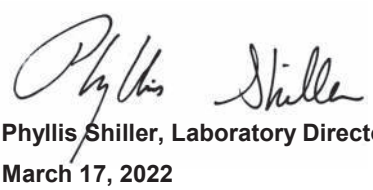
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	16:20
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	464				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84903

Project ID: USAI LIGHTING
Client ID: VI-1-220309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	1
1,1,1-Trichloroethane	0.739	*0.183*	0.183	4.03	*1.00*	1.00	03/14/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2,4-Trimethylbenzene	0.507	*0.204*	0.204	2.49	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/14/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/14/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Acetone	7.73	*0.421*	0.421	18.4	*1.00*	1.00	03/14/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/14/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/14/22	KCA	1	

Ver 1

Project ID: USAI LIGHTING
Client ID: VI-1-220309

Phoenix I.D.: CK84903

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/14/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/14/22	KCA	1	
Carbon Tetrachloride	0.191	*0.032*	0.032	1.20	*0.20*	0.20	03/14/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/14/22	KCA	1	
Chloroform	0.448	*0.205*	0.205	2.19	*1.00*	1.00	03/14/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/14/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	03/14/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	03/14/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/14/22	KCA	1	
Dichlorodifluoromethane	0.510	*0.202*	0.202	2.52	*1.00*	1.00	03/14/22	KCA	1	
Ethanol	30.6	*0.531*	0.531	57.6	*1.00*	1.00	03/14/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	1
Ethylbenzene	0.622	*0.230*	0.230	2.70	*1.00*	1.00	03/14/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/14/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	03/14/22	KCA	1	
Isopropylalcohol	1.62	*0.407*	0.407	3.98	*1.00*	1.00	03/14/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/14/22	KCA	1	
m,p-Xylene	2.44	*0.230*	0.230	10.6	*1.00*	1.00	03/14/22	KCA	1	
Methyl Ethyl Ketone	0.553	*0.339*	0.339	1.63	*1.00*	1.00	03/14/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/14/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	03/14/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
o-Xylene	1.04	*0.230*	0.230	4.51	*1.00*	1.00	03/14/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/14/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/14/22	KCA	1	1
Styrene	0.262	*0.235*	0.235	1.12	*1.00*	1.00	03/14/22	KCA	1	
Tetrachloroethene	0.329	*0.037*	0.037	2.23	*0.25*	0.25	03/14/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/14/22	KCA	1	1
Toluene	0.702	*0.266*	0.266	2.64	*1.00*	1.00	03/14/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/14/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/14/22	KCA	1	
Trichloroethene	2.09	*0.037*	0.037	11.2	*0.20*	0.20	03/14/22	KCA	1	
Trichlorofluoromethane	0.284	*0.178*	0.178	1.59	*1.00*	1.00	03/14/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/14/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	03/14/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	110	*%*	%	110	*%*	%	03/14/22	KCA	1	
% IS-1,4-Difluorobenzene	78	*%*	%	78	*%*	%	03/14/22	KCA	1	
% IS-Bromochloromethane	87	*%*	%	87	*%*	%	03/14/22	KCA	1	
% IS-Chlorobenzene-d5	89	*%*	%	89	*%*	%	03/14/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: VI-1-220309

Phoenix I.D.: CK84903

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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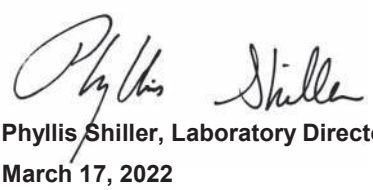
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	ML	03/09/22	16:55
Location Code:	CT-MALE	Received by:	LB	03/11/22	16:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23873				

Laboratory Data

SDG ID: GCK84897
Phoenix ID: CK84904

Project ID: USAI LIGHTING
Client ID: IA-3-220309

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	03/11/22	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/11/22	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/11/22	KCA	1	
Acetone	54.4	E	*0.421*	0.421	129	*1.00*	1.00	03/11/22	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	03/11/22	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	03/11/22	KCA	1	

Ver 1

Project ID: USAI LIGHTING
Client ID: IA-3-220309

Phoenix I.D.: CK84904

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/11/22	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/11/22	KCA	1	
Carbon Tetrachloride	0.094		*0.032*	0.032	0.59	*0.20*	0.20	03/11/22	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/11/22	KCA	1	
Chloromethane	0.906		*0.485*	0.485	1.87	*1.00*	1.00	03/11/22	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	03/11/22	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Cyclohexane	0.310		*0.291*	0.291	1.07	*1.00*	1.00	03/11/22	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/11/22	KCA	1	
Dichlorodifluoromethane	0.532		*0.202*	0.202	2.63	*1.00*	1.00	03/11/22	KCA	1	
Ethanol	556	E	*0.531*	0.531	1050	*1.00*	1.00	03/11/22	KCA	1	1
Ethyl acetate	2.62		*0.278*	0.278	9.44	*1.00*	1.00	03/11/22	KCA	1	1
Ethylbenzene	2.07		*0.230*	0.230	8.98	*1.00*	1.00	03/11/22	KCA	1	
Heptane	0.314		*0.244*	0.244	1.29	*1.00*	1.00	03/11/22	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/11/22	KCA	1	
Hexane	0.575		*0.284*	0.284	2.03	*1.00*	1.00	03/11/22	KCA	1	
Isopropylalcohol	13.5		*0.407*	0.407	33.2	*1.00*	1.00	03/11/22	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/11/22	KCA	1	
m,p-Xylene	8.12		*0.230*	0.230	35.2	*1.00*	1.00	03/11/22	KCA	1	
Methyl Ethyl Ketone	2.59		*0.339*	0.339	7.63	*1.00*	1.00	03/11/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/11/22	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	03/11/22	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
o-Xylene	3.40		*0.230*	0.230	14.8	*1.00*	1.00	03/11/22	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/11/22	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/11/22	KCA	1	1
Styrene	0.661		*0.235*	0.235	2.81	*1.00*	1.00	03/11/22	KCA	1	
Tetrachloroethene	0.099		*0.037*	0.037	0.67	*0.25*	0.25	03/11/22	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/11/22	KCA	1	1
Toluene	0.970		*0.266*	0.266	3.65	*1.00*	1.00	03/11/22	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/11/22	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/11/22	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	03/11/22	KCA	1	
Trichlorofluoromethane	0.353		*0.178*	0.178	1.98	*1.00*	1.00	03/11/22	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/11/22	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	03/11/22	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	108		*%*	%	108	*%*	%	03/11/22	KCA	1	
% IS-1,4-Difluorobenzene	76		*%*	%	76	*%*	%	03/11/22	KCA	1	
% IS-Bromochloromethane	79		*%*	%	79	*%*	%	03/11/22	KCA	1	
% IS-Chlorobenzene-d5	75		*%*	%	75	*%*	%	03/11/22	KCA	1	

Project ID: USAI LIGHTING
Client ID: IA-3-220309

Phoenix I.D.: CK84904

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

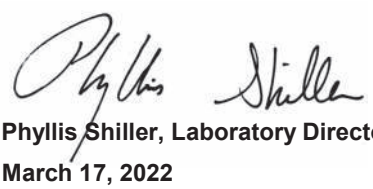
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

March 17, 2022

FOR: Attn: Alex Malamet
CT Male Associates
50 Century Hill Drive
Latham, NY 12110

Location Code: CT-MALE

Project ID: USAI LIGHTING

SDG I.D.: GCK84897

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
OA-1-220309	CK84897	18111	6.0L	5237	03/08/22	-30	-3	10.8	11.4	5.4	-30	-6	03/09/22 09:00	03/09/22 16:45
IA-2-220309	CK84898	481	6.0L	4980	03/08/22	-30	-7	10.8	10.7	0.9	-28	-8.5	03/09/22 09:40	03/09/22 17:50
IA-1-220309	CK84899	23334	6.0L	5600	03/08/22	-30	-6	10.8	10.5	2.8	-27	-6	03/09/22 08:30	03/09/22 16:05
VI-4-220309	CK84900	19933	6.0L	3504	03/08/22	-30	-4	10.8	12.4	13.8	-31	-7	03/09/22 08:30	03/09/22 16:35
VI-2-220309	CK84901	28601	6.0L	2963	03/08/22	-30	-6	10.8	10.7	0.9	-30	-7.5	03/09/22 09:45	03/09/22 17:45
VI-3-220309	CK84902	16014	6.0L	1316	03/08/22	-30	-8	10.8	11.2	3.6	-31	-10	03/09/22 10:15	03/09/22 17:15
VI-1-220309	CK84903	464	6.0L	1550	03/08/22	-30	-8	10.8	10.8	0.0	-27	-6	03/09/22 09:15	03/09/22 16:20
IA-3-220309	CK84904	23873	6.0L	5657	03/08/22	-30	-9	10.8	9.9	8.7	-29	-9.5	03/09/22 10:15	03/09/22 16:55

Thursday, March 17, 2022

Criteria: NY: AIRIA

State: NY

Sample Criteria Exceedances Report

GCK84897 - CT-MALE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK84897	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.068	0.032	0.032	0.032	ppbv
CK84898	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.073	0.032	0.032	0.032	ppbv
CK84899	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.074	0.032	0.032	0.032	ppbv
CK84900	$AIR_NYTO15	1,1-Dichloroethene	NY / Air Guideline Values / Indoor Air	0.099	0.051	0.051	0.051	ppbv
CK84900	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.083	0.032	0.032	0.032	ppbv
CK84900	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	0.540	0.037	0.443	0.443	ppbv
CK84900	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.115	0.037	0.037	0.037	ppbv
CK84901	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.191	0.037	0.037	0.037	ppbv
CK84901	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.066	0.032	0.032	0.032	ppbv
CK84901	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	1.34	0.863	0.864	0.864	ppbv
CK84902	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.068	0.032	0.032	0.032	ppbv
CK84902	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	2.02	0.863	0.864	0.864	ppbv
CK84902	$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	38.4	0.037	0.443	0.443	ppbv
CK84902	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.282	0.037	0.037	0.037	ppbv
CK84902	$AIR_NYTO15	1,1,1-Trichloroethane	NY / Air Guideline Values / Indoor Air	5.94	0.183	0.55	0.55	ppbv
CK84903	$AIR_NYTO15	1,1,1-Trichloroethane	NY / Air Guideline Values / Indoor Air	0.739	0.183	0.55	0.55	ppbv
CK84903	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.191	0.032	0.032	0.032	ppbv
CK84903	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	2.09	0.037	0.037	0.037	ppbv
CK84904	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.094	0.032	0.032	0.032	ppbv

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. # 14.4337 Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: r.andujar-mcneil@ctmale.com
☐ Phone #: 845-454-4400

Report to: Alex Malamet	**Project Name:** USAI Lighting	**Data Format:** (Circle) Equis Excel Other:	
Customer: C.T. Male	**Invoice to:** r.andujar-mcneil@ctmale.com	**Requested Deliverable:** RCP ASP CAT B	
Address: 12 Raymond Avenue		MCP NJ Deliverables	
Poughkeepsie, NY 12603	**Sampled by:** Mary Loughlin	**Quote Number:**	

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH	
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES		
84897	OA-1-220309	18111	6.0	-30	-3	5237	10.8	9:00	16:45	3/9/22	-30.00"	-6.00"	X			X		
84898	IA-2-220309	481			-7	4980		9:40	17:50		-28.00"	-8.50"	X			X		
84899	IA-1-220309	23334			-6	5600		8:30	16:05		-27.00"	-6.00"	X			X		
84900	V1-4-220309	19933			-4	3504		8:30	16:35		-31.00"	-7.00"		X		X		
84901	V1-2-220309	28601			-6	2963		9:45	17:45		-30.00"	-7.50"		X		X		
84902	V1-3-220309	16014			-8	1316		10:15	17:15		-31.00"	-10.00"		X		X		
84903	V1-1-220309	464			-8	1550		9:15	16:20		-27.00"	-6.00"		X		X		
84904	IA-3-220309	23873	↓	↓	-9	5657	↓	10:15	16:55	↓	-29.00"	-9.50"	X			X		

Relinquished by:	Accepted by:	Date:	Time:
Alex Malamet		3-11-22	13:45
		3/11/22	16:38

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
8 (6L) 8hr

Turnaround Time:
☐ 1 Day
☐ 2 Day
☐ 3 Day
☐ 4 Day
☐ 5 Day

Requested Criteria:
CT:
TAC I/C
TAC RES
SVVC I/C
SVVC RES
GWV I/C
GWV CES

(Please Circle)
MA:
Indoor Air: Residential, Ind/Commercial
Soil Gas: Residential, Ind/Commercial

NJ:
Indoor Air: Residential, Ind/Commercial
Soil Gas: Residential, Ind/Commercial

NY:
Vapor Intrusion

PA:
Indoor Air: Residential, Non-residential

VT:
Indoor Air: Residential, Industrial
Sub-slab: Residential, Industrial

PEL-115 Rev. 9/2019

C.T. MALE ASSOCIATES

April 22, 2022
Mr. Matthew Hubicki
2021 – 2022 PRR – USAI Light Facility (BCP Site ID: C336087)

Attachment D: Green Remediation Metrics for Site Management Form

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

12 Raymond Avenue, Poughkeepsie, New York 12603
845.454.4400 www.ctmale.com

Summary of Green Remediation Metrics for Site Management

Site Name: USAI Lighting Facility Site Code: C336087
Address: 1126 River Road City: New Windsor
State: NY Zip Code: 12553 County: Orange County

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: December 22, 2016

Current Reporting Period
Reporting Period From: March 1, 2021 To: March 31, 2022

Contact Information
Preparer's Name: Rosaura Andújar-McNeil, P.E. Phone No.: (845) 454-4400
Preparer's Affiliation: Remedial Engineer for BBL, LLC

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	**Total to Date**
Fuel Type 1 (e.g. natural gas (cf))	0	0
Fuel Type 2 (e.g. fuel oil, propane (gals))	0	0
Electricity (kWh)	Minimal	Minimal
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)	0	0
Other energy sources (e.g. geothermal, solar thermal (Btu))	0	0

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	**Total to Date (tons)**
Total waste generated on-site	<5 lbs.	<5 lbs.
Of that total amount, provide quantity:		
Transported off-site to landfills	<5 lbs.	<5 lbs.
Transported off-site to other disposal facilities	0	0
Transported off-site for recycling/reuse	0	0
Reused on-site	0	0

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	**Total to Date (miles)**
Standby Engineer/Contractor	349	4,225
Laboratory Courier/Delivery Service	0	0
Waste Removal/Hauling	0	0

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site	0	0
Of that total amount, provide quantity:		
Public potable water supply usage	0	0
Surface water usage	0	0
On-site groundwater usage	0	0
Collected or diverted storm water usage	0	0

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres)**
Land disturbed	0	0
Land restored	0	0

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: Minimal energy was used (from batteries) to remove water from the groundwater monitoring wells and air from the vapor sampling ports. There are no other energy sources being used for remedial purposes.
Waste Generation: Excavated soils were generated as the result of the renovation activities. Soils are currently stockpiled on site (2-5 cubic yards) awaiting off-site disposal and/or reintroduction under the cover system.
Transportation/Shipping: Transportation to and from the Site is related to SMP monitoring activities by the Remedial Engineer and/or field personnel. Visits to the Site are only on an as needed basis, and usually by a single person (car pooling is often not feasible). Analytical samples collected per the SMP are typically delivered to the laboratory on the return trip from the Site. If this is not feasible, pick up of samples is performed by the laboratory when the laboratory currier is in route to other pickups.
Water usage: There is no water usage for remedial purposes.
Land Use and Ecosystems: The vegetative growth relative to the landscape areas and stormwater management features installed/planted during the remedial action has flourished during the reporting period and has become well established. Additional plantings were planted around the perimeter of the stormwater collection basin. These plantings have continued to grow. The land use and ecosystems in the southern portion of the Site are likely to have improved following remedial activities. Limited excavated areas in the vicinity of the parking lot as a result of renovation activities have or will be restored to pre-existing conditions (blacktop).
Other: