

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

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July 30, 2025

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

Re: *Periodic Review Report and IC/EC Certification - January 30, 2024 to January 30, 2025*
 USAI Lighting Facility Brownfield Cleanup Program (BCP) Site
 1116/1126 River Road, Town of New Windsor, New York
 BCP Site ID: C336087
 C.T. Male Project No.: 14,4337

Dear Mr. Hubicki:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture & Geology, D.P.C. (C.T. Male) provides this 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. This PRR covers monitoring and sampling activities from January 30, 2024 to January 30, 2025, and subsequent relevant information following the issuance of this report.

Executive Summary

BDL, LLC entered into a Brownfield Cleanup Agreement with NYSDEC in December 2014 to remediate the 11.4-acre Site located at 1116/1126 River Road in the Town of New Windsor, Orange County. Soil and groundwater at the Site were impacted with petroleum products by former industrial uses, one of which was a Major Oil Storage Facility (MOSF) on the southern portion of the Site.

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 Site remedy consisted of localized excavation of grossly contaminated soils in conjunction with site development, placement of a Surface Cover System (asphalt, concrete or vegetated soil), installation of vapor intrusion (VI) mitigation measures, and implementation of the SMP. The SMP was approved in November 2016 and the COC was issued in December 2016.

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No exceedances of air guideline values (AGV) for methylene chloride, tetrachloroethylene (PCE), and trichloroethylene (TCE) have been documented in indoor air post remediation (2017 – 2025). Decision matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. These matrices cover 21 compounds (chlorinate solvents and petroleum-derived). Using sub-slab soil vapor and indoor ambient air concentrations from 2025 sampling in the NYSDOH matrices (A through F), “No further action” was the applicable response for the listed compounds.

Residual petroleum contamination remains on-site in groundwater. A slight petroleum sheen was observed in the purged water from monitoring well MW-2 and no petroleum sheen was observed in remaining wells sampled. Based on the 2025 analytical results, only two (2) SVOCs were detected above their groundwater standards in concentrations just above limit of laboratory detection. The laboratory and field data, currently and historically, indicate a stable (MW-2 and MW-4) or reducing (MW-1 and MW-3) trend for residual level groundwater contamination with one minor exception. There is a slight increase in total SVOCs at MW-4, but this can be misleading because it is only the total of two (2) SVOCs (bis(2-ethylhexyl)phthalate and diethyl phthalate), which individually meet their groundwater quality standards.

Based on the review of the compliance monitoring results, inclusive of groundwater, soil vapor and ambient air sampling, for this and previous reporting periods, 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 presented in Attachment A, 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

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approximately 6 acres. The southern portion of the property, located at 1116 River Road, contains a parking lot, grass-covered areas and a stormwater structure (pond). The Site is bounded by railroad tracks to the east, River Road to the west, a soil reclamation facility to the south and a 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.

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 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.

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). As detailed in the December 2016 FER, the Site remedy consisted of localized excavation of grossly contaminated soils in conjunction with site development, placement of a Surface Cover System (asphalt, concrete or

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vegetated soil), installation of VI mitigation measures, and implementation of the SMP. 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. Renovation work in Area 8 commenced in December 2021 and was finalized in the Summer of 2022. Modifications to the passive SSDS were documented by C.T. Male in several site visits and are presented in this PRR (See Section "Operation & Maintenance Plan Compliance Report"). Area 8 was re-occupied by office workers in July 2022 with a passive SSDS in general conformance with the FER and SMP.

The remaining portions of the slab and vapor barrier in Area 4 were completed by the Fall of 2021. Renovation work in Area 4 commenced in Summer 2021 and was finalized in December of 2021. Area 4 was re-occupied by office workers in early 2022 with a passive SSDS in general conformance with the FER and SMP. The interior renovation work at the USAI Facility was completed in 2022.

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

The Site remedy consisted of localized excavation of grossly contaminated soils in conjunction with site development, placement of a Surface Cover System (asphalt, concrete or vegetated soil), installation of VI mitigation measures, and implementation of the SMP. Based on the information contained in this PRR, the following assessment of the remedy is provided:

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- Grossly contaminated soils as well as soils above commercial SCOs were removed from the Site, eliminating, to the extent practical, the source of petroleum contamination. This action limits the potential for Site users to become in contact with contaminated soils as these have been removed.
- The Surface Cover System employed at the Site prevents Site users to become in contact with potentially contaminated soils. The Surface Cover System (asphalt, concrete or vegetated soil) remains in good condition and is protective of human health and the environment. See Section "Operation & Maintenance Plan Compliance Report".
- The VI mitigation measures present at the Site prevent the migration of potentially contaminated soil vapors into the building interior through the use of barriers and/or venting systems (passive SSDS). The VI mitigation measures remain in good condition, and therefore continue to mitigate potential impacts to the public health. See Section "Operation & Maintenance Plan Compliance Report".
- Only residual petroleum contamination remains in on-site groundwater, at estimated concentrations below the laboratory's Reporting Limit; only four (4) SVOCs were detected (two at MW-1, one at MW-2 and one at MW-3) in 2025 above their NYSDEC Ambient Water Quality Standards (AWQS).
- While NYSDEC approved a reduction in groundwater sampling requirements to be only SVOCs analysis based on a letter dated December 8, 2023, VOCs were still analyzed. No exceedances of VOCs were observed in 2025 consistent with sampling events dating back to 2018 and still supportive of not analyzing for VOCs in the future.
- Methylene chloride, PCE, and TCE were detected in indoor air at low levels and in some cases even non-detect at the limit of laboratory detection in 2025 where none of the detections were above their AGVs. These 2025 results are consistent with indoor air post remediation sampling dating back to 2017.
- Following comparison of sub-slab soil vapor and indoor ambient air concentrations in 2025 to the values in the NYSDOH matrices (A through F), "No further action" was the applicable action for the listed compounds and concentrations. See Section "Monitoring Plan Compliance Report". Indoor air

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concentrations below applicable thresholds coupled with VI mitigation measures in good conditions are measures protective of human health and the environment.

IC/EC Plan Compliance Report

The Institutional Controls (ICs) for the USAI Facility are summarized as follows:

1. Track 4 Commercial and Industrial Uses are allowed. The Controlled property may not be used for a higher use and the engineering controls may not be extinguished without NYSDEC approval.
2. All future soil disturbance activities below 1 foot and new construction are conducted in accordance with the approved SMP, and Excavation Work Plan.
3. The use of the groundwater underlying the Site is prohibited without treatment as determined by the NYSDOH or Orange County DOH.
4. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.
5. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any.

The Engineering Controls (ECs) for the USAI Facility are summarized as follows:

1. A passive vapor mitigation system will be operated, maintained, and monitored as required by the approved SMP.
2. A site cover system, of at least 1 foot, will be maintained as required by the approved SMP.
3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer which must be inspected, certified, and maintained as required in the NYSDEC-approved SMP.
4. Periodic monitoring of groundwater from downgradient wells.

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The ICs and ECs remain applicable and are required for the Site. Deficiencies in the ECs for the Site were not identified during this reporting period. A completed IC/EC Certification Form is provided as Attachment B.

Monitoring Plan Compliance Report

Monitoring requirements consist of an annual site-wide inspection 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 27, 2025, in accordance with the SMP. The observations and findings 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 soil vapor/air sampling and laboratory analysis. Post-remediation media monitoring was performed in accordance with the SMP, and subsequent NYSDEC approved modifications, and is described below.

The next groundwater sampling event is anticipated to be conducted in 2027. The analytical results summary table and analytical reports for the groundwater samples collected on March 13, 2025, are presented in Attachments C and D, respectively.

Groundwater Data Trend Analysis

A trend analysis of total SVOCs (2018-2025) was performed utilizing the post-remediation groundwater data available to date. Trends are depicted in graphical form and are presented in Attachment E. The following observations are provided based on the trend analysis:

- MW-1: Reported concentrations of total SVOCs (ranging from 0.45 ug/L to non-detect) have decreased over time. No SVOCs have exceeded their groundwater standard post-remediation. It is noted that two SVOCs, benzo(a)anthracene and hexachlorobenzene were detected at estimated concentrations in the field duplicate sample FD01 in 2025 at concentrations at or above their respective groundwater standards. These two compounds were non-detect at the method detection limit in the original sample in 2025.

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- MW-2: Reported concentrations of total SVOCs (ranging from 0.16 ug/L to 8.48 ug/L) have fluctuated over time. The trend graph shows an overall increase despite the highest concentration being recorded in 2020 (10.01 ug/L) and decreasing since then. Only one (1) SVOC (indeno(1,2,3-cd)pyrene in 2019 – 0.1 ug/L and 2025 – 0.1 ug/L) has exceeded its groundwater standard of 0.002 ug/L post remediation.
- MW-3R: Reported concentrations of total SVOCs (ranging from 0.34 ug/L to 24.55 ug/L) have generally decreased over time. Only two (2) SVOCs (benzo(a)anthracene in 2023 and 2025, and benzo(b)fluoranthene in 2023) have exceeded their groundwater standard post remediation.
- MW-4R: Reported concentrations of total SVOCs (ranging from non-detect to 5.1 ug/L) were generally stable until increasing slightly in 2025. Only one (1) SVOC (Benzo[a]pyrene in 2020) has exceeded its groundwater standard post remediation.

Only detected 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.

Residual petroleum contamination remains on-site in groundwater. A slight petroleum sheen was observed in the purged water from monitoring well MW-2 and no petroleum sheen was observed in remaining wells sampled. Based on the 2025 analytical results, only two (2) SVOCs were detected above their groundwater standards in concentrations just above limit of laboratory detection.

The laboratory and field data, currently and historically, indicate a stable (MW-2 and MW-4) or reducing (MW-1 and MW-3) trend for residual level groundwater contamination with one minor exception. There is a slight increase in total SVOCs at MW-4 but this can be misleading because it is only the total of two (2) SVOCs (bis(2-ethylhexyl)phthalate and diethyl phthalate), which individually meet their groundwater quality standards.

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2025 Soil Vapor and Air Quality Sampling and Analytical Results

Four (4) sub-slab soil vapor sampling points, VI-1 to VI-4, were sampled during the end of the heating season. Sub-slab soil vapor sampling point VI-5 was installed in 2018 to assess VI in the 2-story building (Area 8). Five (5) sub-slab soil vapor (VI-1 to VI-5), seven (7) indoor ambient (IA-1 to IA-7), and one (1) outdoor ambient air (OA-1) samples were collected throughout or adjacent to the USAI Facility on March 27, 2025. A map depicting sampling locations is presented in Attachment A, Figure 3.

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”. A table indicating soil vapor samples and concurrent indoor air samples per area and area use is presented below.

Area/Designation (per map)	Soil Vapor Sample ID	Indoor Air (IA) Sample ID	Area Use
Area 2	VI-3	IA-3	Offices
Area 3A	VI-1 VI-2	IA-2 IA-5	Production/ Assembly Area
Area 4	VI-4	IA-1 IA-6	Offices and Storage Space
Area 5	VI-1	IA-7	Cafeteria
Area 8	VI-5	IA-4	Offices

A Soil Vapor Intrusion – Structure Sampling Building Questionnaire was completed for the sampling event to identify Site conditions, chemical products present and other factors at the Site that may interfere with the sampling. A copy of building questionnaire is included in Attachment F.

Samples were collected in accordance with sampling procedures outlined in the SVI Guidance. Sample intakes for the soil vapor sampling ports were installed at a maximum depth of two (2) inches below the invert of the floor slab of the building. Non-reactive high-density polyethylene (HDPE) sample tubing was attached to the vapor pin probe and vapor sampling ports throughout the facility, the tubing and sample enclosure were sealed with clay to prevent mixing of ambient air and soil vapor, and subsequently attached to an 8-hour flow regulator and a 6-liter laboratory certified Summa® canister for sample collection. Helium tracer gas was used for leak testing the enclosure at each sub-slab sampling location to ensure that ambient air was not infiltrating. Helium

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concentrations were analyzed in the field using Radio Detection MGD-2002 Helium Leak Detector. No tracer gas was detected in the tubing of the vapor probes in the 2025 sampling event thereby documenting adequate seal. Prior to the commencement of sampling, two (2) to three (3) volumes of air were purged from the sampling apparatus. Sample logs are provided as Attachment G. The samples were analyzed for total VOCs per EPA Method TO-15 by Pace Analytical Services, Inc.

During the sample collection period, it was noted that the rate of sample collection for several indoor air samples were not comparable to the other samples or previous sampling events (i.e. pressure changing relatively slow throughout the sampling collection period). Upon laboratory evaluation it was determined that the regulators appeared to have been malfunctioning. The sample volume collected appeared to be sufficient for analysis upon application of the appropriate dilution by the laboratory. Furthermore, a permanently sealed crack in the floor slab was noted prior to sampling near sample location VI-3, which was a prior corrective action documented in previous PRRs. Due to the implementation of this corrective action, it is our opinion that the quality of sample VI-3 was not significantly impacted by this condition.

AGVs have been established in the NYSDOH's SVI Guidance for methylene chloride (60 $\mu\text{g}/\text{m}^3$), perchloroethylene (PCE) (30 $\mu\text{g}/\text{m}^3$) and trichloroethylene (TCE) (2 $\mu\text{g}/\text{m}^3$). No other AGVs have been established by NYSDOH for VOCs. No exceedances of AGVs for methylene chloride, PCE, and TCE have been documented in indoor air post remediation from 2017 through 2025.

Decision matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. These matrices cover 21 compounds (chlorinate solvents and petroleum-derived). Using sub-slab soil vapor and indoor ambient air concentrations from 2025 sampling in the NYSDOH matrices (A through F), "No further action" was the applicable response for the listed compounds.

Relatively higher concentrations of ethanol (peak of 1,500 $\mu\text{g}/\text{m}^3$ at IA-1), and acetone (peak of 100 $\mu\text{g}/\text{m}^3$ at IA-3) were detected in the indoor air throughout the facility when compared to the outdoor air concentrations. These may be indicative of an on-site indoor air source over being the result of sub-slab vapor migration into the building as subslab vapor results are mostly lower than the indoor air concentrations. Indoor air

concentrations of ethanol and acetone appear to be consistent with previous sampling events and may be associated with manufacturing activities at the facility.

The analytical results summary table and analytical reports for the samples collected in 2025 are presented in Attachments C and D, respectively.

Soil Vapor and Ambient Air Data Trend Analysis

A trend analysis for chlorinated solvents was performed utilizing the post-remediation soil vapor, indoor and outdoor air data available to date (2018 – 2025). Trends are depicted in graphical form and are presented in Attachment E. The following observations are provided based on the trend analysis:

- Outdoor Area:
 - OA-1: Reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of methylene chloride. The methylene chloride concentration (ranging from non-detect to 7.78 $\mu\text{g}/\text{m}^3$). Methylene chloride peaked in 2024, but in 2025, the concentration was the lowest concentration ever detected below the laboratory reporting limit, but above the method detection limit at an estimated concentration.
- Area 2 - Office space in the Production Area, in the western-central portion of the building:
 - VI-3: Reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of 1,1,1-TCA and PCE. 1,1,1-TCA (ranging from 328 $\mu\text{g}/\text{m}^3$ to 32.4 $\mu\text{g}/\text{m}^3$) and PCE (ranging from 868 $\mu\text{g}/\text{m}^3$ to 260 $\mu\text{g}/\text{m}^3$). 1,1,1-TCA concentrations have decreased over time and PCE concentrations have decreased until 2022, slightly increased from 2022 to 2025, but are considered stable overall because 2025 concentration is still lower than original sampling results in 2017 and 2019.
 - IA-3: Reported concentrations of chlorinated VOCs have been stable/decreasing from 2023 to 2025.

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- Area 3A - Production Area in the central portion of the building:
 - VI-1: Reported concentrations of chlorinated VOCs have been stable and consistent since 2023 except for carbon tetrachloride, TCE and 1,1,1-TCA. TCE concentrations. These three have shown a slight increase in the 2025 sampling results but still lower than historical results.
 - VI-2: Reported concentrations of chlorinated VOCs have been stable and consistent since 2023.
 - IA-2: Reported concentrations of chlorinated VOCs have been stable and consistent since 2017 except for methylene chloride. Methylene chloride has been historically non-detect except for 2024 and 2025 (noting the detection limit was elevated in 2022), but was detected at $1.96 \mu\text{g} / \text{m}^3$ (2024) and $5.73 \mu\text{g} / \text{m}^3$ (2025). The concentrations are low and considered insignificant when the AGV is $60 \mu\text{g} / \text{m}^3$.
- Area 4 (Office and storage area, located in the southernmost portion of the facility):
 - No samples were collected in Area 4 in 2019 and 2020 at the discretion of the Department as they indicated that samples should not be collected while the portion of the slab remained open. Samples were collected in March 2022, January 2023, February 2024, and March 2025 following the installation of the concrete slab.
 - VI-4: Reported concentrations of chlorinated VOCs have increased slightly from 2024 to 2025 but remain generally low.
 - IA-1: Reported concentrations of chlorinated VOCs are stable and consistent.
- Area 8 (2-story office building, located in the southernmost portion of the facility):
 - No samples were collected in Area 8 in 2022 as the area was undergoing renovation. Samples were collected in January 2023, February 2024, and March 2025.

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- VI-5: Reported concentrations of chlorinated VOCs have not fluctuated significantly, with exception of PCE and TCE. However, chlorinated VOCs are all at the lowest concentrations.
- IA-4: Reported concentrations of chlorinated VOCs have varied but in 2025 concentrations are at their lowest or close to it's lowest (carbon tetrachloride).

No exceedances of AGVs for methylene chloride, PCE, and TCE have been documented in indoor air post remediation (2017 – 2025). Following comparison of sub-slab soil vapor and indoor ambient air concentrations in 2025 to the values in the NYSDOH matrices, the NYSDOH recommendation is “No further action”. Indoor air concentrations below applicable thresholds coupled with VI mitigation measures being in good condition are being protective of human health and the environment.

Operation & Maintenance Plan Compliance Report

The operation and maintenance (O&M) plan for the Surface Cover System consists of maintenance and periodic inspections. 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 27, 2025. Based on site observations, the Surface Cover System is working as intended. The Site Management Inspection Form is included in Attachment H.

There is no O&M plan for the passive SSDS given the nature of a passive system (i.e., no mechanical components). However, a Vapor Intrusion Mitigation Measures Assessment Form was completed for the on-site building and is included as Attachment H. Based on site observations and subsequent information provided by the Site representative, the SSDS is working as intended.

Overall PRR Conclusions and Recommendations

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

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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 as outlined in the SMP, with the next VI sampling event early in the 2025-2026 heating season and the next groundwater sampling event in 2027 unless the frequency is adjusted by NYSDEC. With “no further action” being the continued yearly outcome from comparison of the NYSDOH matrices, the sampling frequency for the VI sampling could be relaxed to every other year when all VI mitigation measures are in-place and in good working order.
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 unless the VI sampling requirement is changed to every other year, then the PRR could be done every two years to match the groundwater and VI testing.
10. Site management shall be continued.

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 Attachments H is the completed “Summary of Green Remediation Metrics for Site Management” form.

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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.

A completed IC/EC Inspection Form is included in this Report as Attachments 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, Jeffrey A.

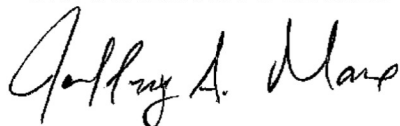
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Marx, P.E. of C.T. Male Associates located at 50 Century Hill Drive, Latham, New York, 12110, am certifying on behalf of BDL, LLC, the Owner/Remedial Party for the Site.

Sincerely,

C.T. MALE ASSOCIATES



Jeffrey A. Marx, P.E.
Managing Environmental Engineer

Att	Attachment A:	Figures
	Attachment B:	NYSDEC EC/IC Certification Form
	Attachment C:	Tables – 2025 and Historical Data
	Attachment D:	2025 Laboratory Results
	Attachment E:	Trend Analyses
	Attachment F:	SVI – Structure Sampling Building Questionnaire
	Attachment G:	Soil Vapor/ Air Sampling Logs
	Attachment H:	Forms

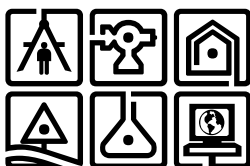
ec: Frank DiLauro, USAI
Mike Griffin, USAI
Sara Bogardus, NYSDOH

Attachment A Figures



MAP REFERENCE

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



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ENGINEERING, SURVEYING, ARCHITECTURE
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

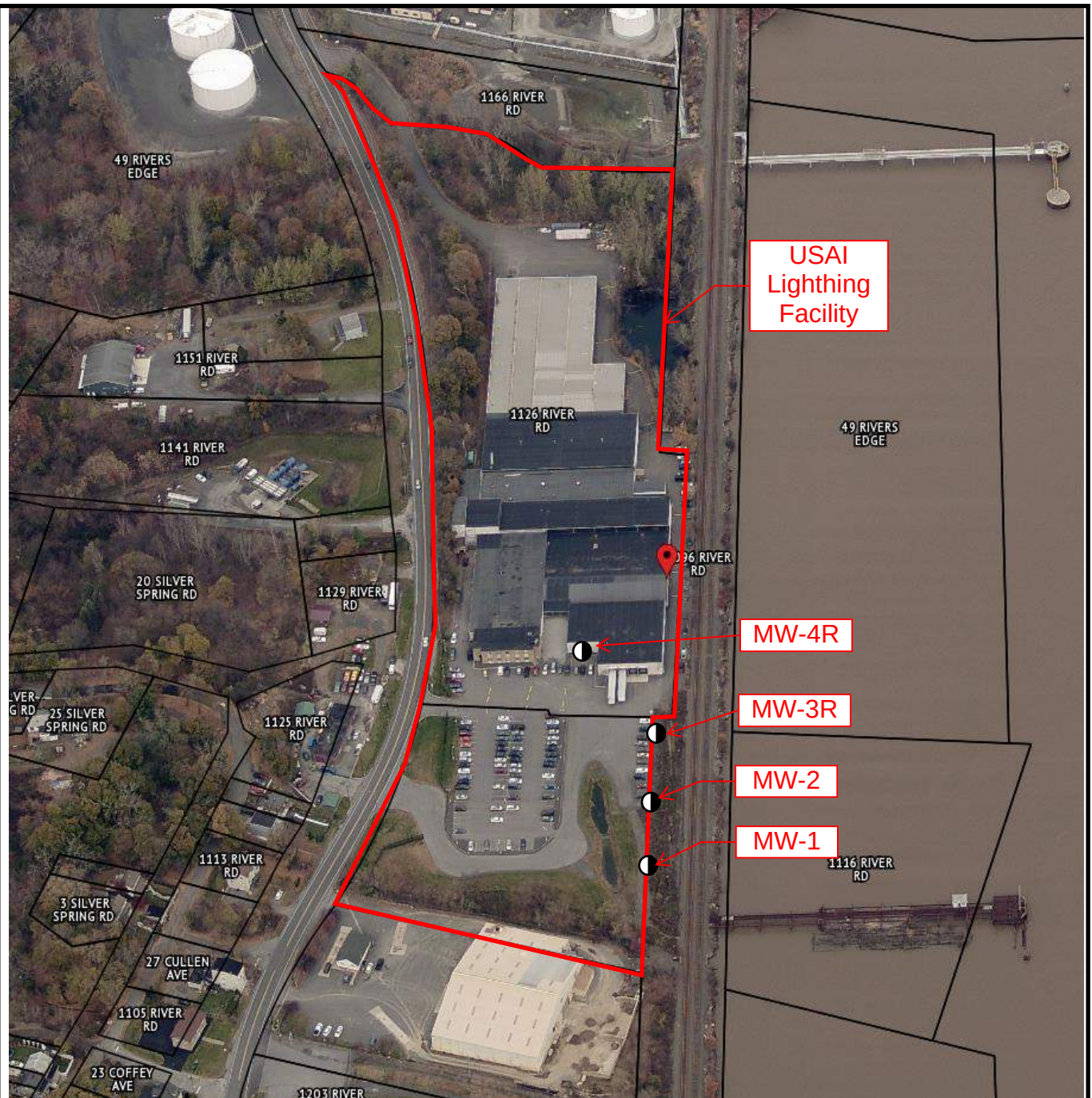
ORANGE COUNTY, NY

SCALE: NTS

DRAFTER: RAM

PROJECT No: 14.4337

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

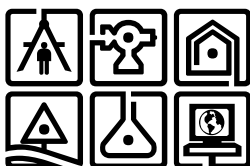


MAP REFERENCE

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

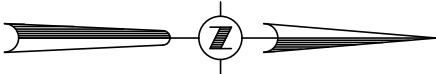
DRAFTER: RAM

PROJECT No: 14.4337

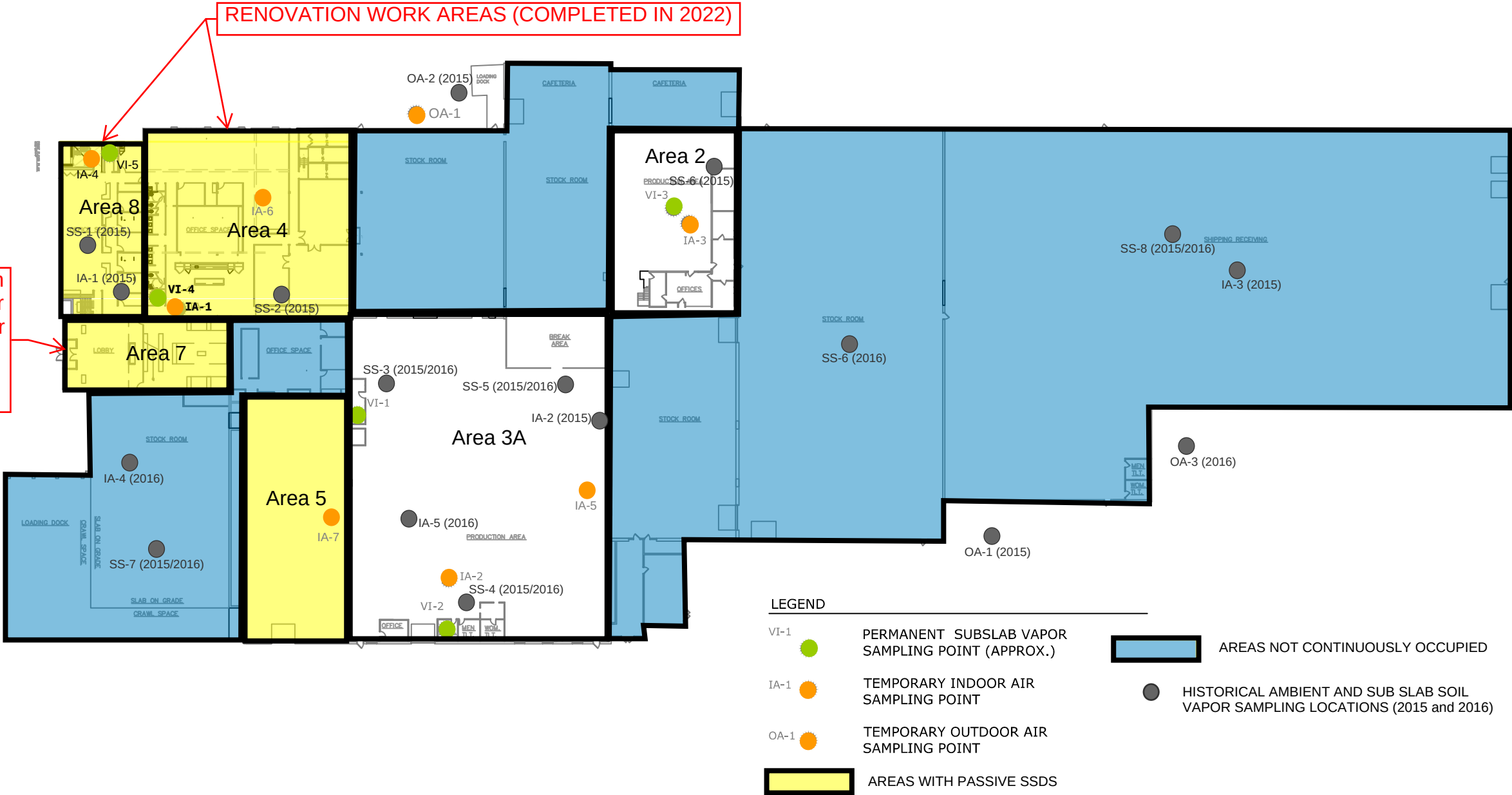
The locations and features depicted on this map are approximate and do not represent an actual survey.

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

CAD DWG. FILE NAME: VI Perm Sampling M



Area 7 - Area to remain open to the atmosphere. See letter to NYSDEC dated December 24, 2019 requesting forgoing the installation of remaining SSDS components.



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 FELLENER ENGINEERING LLP OF MIDDLETOWN, NY.

DATE	REVISIONS RECORD/DESCRIPTION		DRAFTED	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. © 2017 C.T. MALE ASSOCIATES
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			
4/2/24	4	Sampling locations added and modified	RAM/ML			
	5					DESIGNED : J.MARX
	6					CHECKED : J.MCIVER
	7					PROJ. NO : 14.4337
	8					SCALE : NOT TO SCALE
	9					DATE : MAY 2, 2017

Figure 3 - REVISED SOIL VAPOR INTRUSION SAMPLING LOCATIONS - 4/2/2024

USAI LIGHTING FACILITY
1126 RIVER ROAD

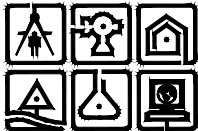
TOWN OF NEW WINDSOR

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

C.T. MALE ASSOCIATES

Attachment B
NYSDEC EC/IC Certification Form



Site Details

Site No. C336087

Box 1

Site Name USAI Lighting Facility

Site Address: 1126 RIVER ROAD Zip Code: 12553

City/Town: New Windsor

County: Orange

Site Acreage: 11.400

Reporting Period: January 30, 2024 to January 30, 2025

YES NO

- | | | | |
|----|--|-------------------------------------|-------------------------------------|
| 1. | Is the information above correct? | ☒ | ☐ |
| | If NO, include handwritten above or on a separate sheet. | | |
| 2. | Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☒ |
| 3. | Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. | Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Commercial and Industrial
7. Are all ICs in place and functioning as designed? ☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date _____

		Box 2A	
		YES	NO
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.			
9.	Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.			

SITE NO. C336087	Box 3
Description of Institutional Controls	

Parcel**9-1-96.1**Owner

BDL, LLC

Institutional Control

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

The institutional controls present at the Controlled Property (USAI Lighting Facility BCP C336087 Site) are as follows:

1. Track 4 Commercial and Industrial Uses are allowed. The Controlled property may not be used for a higher use, such as unrestricted or restricted residential use, and the engineering controls may not be extinguished without NYSDEC approval, and amending or discontinuing the approved 2016 Site Management Plan (SMP) and the 2016 environmental easement.
2. All future soil disturbance activities below 1 foot cover, including building renovation/expansion, subgrade utility line repair/relocation, and new construction are conducted in accordance with the approved SMP, and Excavation Work Plan.
3. The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for potable or process use, without necessary water quality treatment as determined by the NYSDOH or Orange County DOH.
4. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.
5. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any. A Site Management Report, including any required inspection or sampling documentation and certifications, shall be submitted by the Owner to NYSDEC by April 22nd following the calendar reporting years, along with the Certification, signed and certified by the Owner, and certifying that the engineering controls (e.g., passive SSDS, site cover) are in place and functioning correctly, or noting any deficiencies and including a corrective action plan for these deficiencies to be corrected. The Owner will also certify that NYSDEC is allowed access to the Site to inspect the engineering controls.

9-1-97

BDL, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

The institutional controls present at the Controlled Property (USAI Lighting Facility BCP C336087 Site) are as follows:

1. Track 4 Commercial and Industrial Uses are allowed. The Controlled property may not be used for a higher use, such as unrestricted or restricted residential use, and the engineering controls may not be extinguished without NYSDEC approval, and amending or discontinuing the approved 2016 Site Management Plan (SMP) and the 2016 environmental easement.
2. All future soil disturbance activities below 1 foot cover, including building renovation/expansion, subgrade utility line repair/relocation, and new construction are conducted in accordance with the approved SMP, and Excavation Work Plan.
3. The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for potable or process use, without necessary water quality treatment as determined by the NYSDOH or

4. An evaluation of the potential for soil vapor intrusion for any buildings developed or reoccupied on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion.

5. A certification, every year, must be made to the NYSDEC indicating that the requirements of the SMP have been met and denote areas where deficiencies have occurred, if any. A Site Management Report, including any required inspection or sampling documentation and certifications, shall be submitted by the Owner to NYSDEC by April 22nd following the calendar reporting years, along with the Certification, signed and certified by the Owner, and certifying that the engineering controls (e.g., passive SSDS, site cover) are in place and functioning correctly, or noting any deficiencies and including a corrective action plan for these deficiencies to be corrected. The Owner will also certify that NYSDEC is allowed access to the Site to inspect the engineering controls.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

9-1-96.1

Vapor Mitigation
Cover System

The engineering controls installed at the Controlled Property (USAI Lighting BCP C336087 Site) are as follows:

1. A passive vapor mitigation system will be operated, maintained, monitored as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.
2. A site cover system, of at least 1 foot, will be maintained as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.
3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas on the Controlled Property, which must be inspected, certified and maintained as required in the NYSDEC-approved SMP, and handled as described in the EWP.
4. Periodic monitoring of groundwater from downgradient wells.

9-1-97

Vapor Mitigation
Cover System

The engineering controls installed at the Controlled Property (USAI Lighting BCP C336087 Site) are as follows:

1. A passive vapor mitigation system will be operated, maintained, monitored as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.
2. A site cover system, of at least 1 foot, will be maintained as required by the approved SMP. Inspections and reporting will be performed in a manner specified in the approved SMP.
3. Any soil underlying within the Controlled Property, must remain covered with a NYSDEC-approved barrier layer consisting of concrete slabs under building structures, concrete or asphalt pavement in walkways and driving surfaces and clean soil cover in vegetated areas on the Controlled Property, which must be inspected, certified and maintained as required in the NYSDEC-approved SMP, and handled as described in the EWP.
4. Periodic monitoring of groundwater from downgradient wells.

Periodic Review Report (PRR) Certification Statements

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

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

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

- (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C336087

Box 6

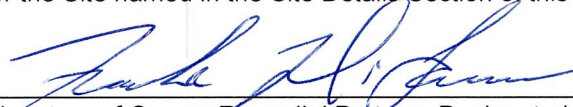
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

chief operating officer
I Frank Di Lauro, Sr. Vice Pres. Operations at 1126 River Road, New Windsor, NY
print name print business address

am certifying as _____ Owner Representative _____ (Owner or Remedial Party)

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



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

7/29/25

Date

EC CERTIFICATIONS

Box 7

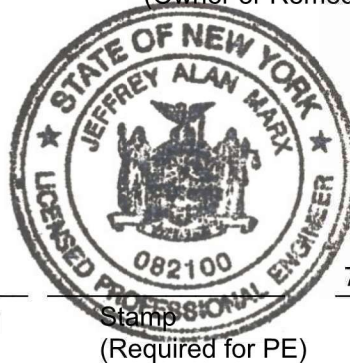
Professional Engineer Signature

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

I Jeffrey A. Marx, P.E., Managing Env. Eng. at C.T. Male Associates, 50 Century Hill Drive, Latham, NY
print name print business address

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

Jeffrey A. Marx
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



7/29/2025
Date

Stamp
(Required for PE)

Attachment C
Tables – 2025 and Historical Data

TABLE 1: GROUNDWATER RESULTS - 2025
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

		SAMPLE ID:	MW-1_250313				FD01_250313				MW-2_250313				MW-3_250313				MW-4_250313			
		LAB ID:	L2514557-01				L2514557-05				L2514557-02				L2514557-03				L2514557-04			
		COLLECTION DATE:	3/13/2025				3/13/2025				3/13/2025				3/13/2025				3/13/2025			
		SAMPLE DEPTH:																				
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER			
		NY-AWQS																				
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																						
Bis(2-chloroethyl)ethe	111-44-4	1	ND		2	0.39	ND		2	0.39	ND		2	0.39	ND		2	0.39	ND		2	0.39
3,3'-Dichlorobenzidine	91-94-1	5	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8
2,4-Dinitrotoluene	121-14-2	5	ND		5	0.54	ND		5	0.54	ND		5	0.54	ND		5	0.54	ND		5	0.54
2,6-Dinitrotoluene	606-20-2	5	ND		5	0.84	ND		5	0.84	ND		5	0.84	ND		5	0.84	ND		5	0.84
4-Chlorophenyl phenyl ethe	7005-72-3		ND		2	0.39	ND		2	0.39	ND		2	0.39	ND		2	0.39	ND		2	0.39
4-Bromophenyl phenyl ethe	101-55-3		ND		2	0.24	ND		2	0.24	ND		2	0.24	ND		2	0.24	ND		2	0.24
Bis(2-chloroisopropyl)ethe	108-60-1	5	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4
Bis(2-chloroethoxy)methane	111-91-1	5	ND		5	0.84	ND		5	0.84	ND		5	0.84	ND		5	0.84	ND		5	0.84
Hexachlorocyclopentadiene	77-47-4	5	ND		20	1.2	ND		20	1.2	ND		20	1.2	ND		20	1.2	ND		20	1.2
Isophorone	78-59-1	50	ND		5	0.86	ND		5	0.86	ND		5	0.86	ND		5	0.86	ND		5	0.86
Nitrobenzene	98-95-3	0.4	ND		2	0.2	ND		2	0.2	ND		2	0.2	ND		2	0.2	ND		2	0.2
NDPA/DPA	86-30-6	50	ND		2	0.92	ND		2	0.92	ND		2	0.92	ND		2	0.92	ND		2	0.92
n-Nitrosodi-n-propylamine	621-64-7		ND		5	0.91	ND		5	0.91	ND		5	0.91	ND		5	0.91	ND		5	0.91
Bis(2-ethylhexyl)phthalate	117-81-7	5	ND		3	1.4	2	J	3	1.4	2.3	J	3	1.4	2.5	J	3	1.4	2.1	J	3	1.4
Butyl benzyl phthalate	85-68-7	50	ND		5	2.6	ND		5	2.6	ND		5	2.6	ND		5	2.6	ND		5	2.6
Di-n-butylphthalate	84-74-2	50	ND		5	0.96	ND		5	0.96	ND		5	0.96	ND		5	0.96	ND		5	0.96
Di-n-octylphthalate	117-84-0	50	ND		5	2.3	ND		5	2.3	ND		5	2.3	ND		5	2.3	ND		5	2.3
Diethyl phthalate	84-66-2	50	ND		5	0.76	ND		5	0.76	1.3	J	5	0.76	3.4	J	5	0.76	3	J	5	0.76
Dimethyl phthalate	131-11-3	50	ND		5	0.92	ND		5	0.92	ND		5	0.92	ND		5	0.92	ND		5	0.92
Biphenyl	92-52-4		ND		2	0.2	ND		2	0.2	ND		2	0.2	ND		2	0.2	ND		2	0.2
4-Chloroaniline	106-47-8	5	ND		5	0.47	ND		5	0.47	ND		5	0.47	ND		5	0.47	ND		5	0.47
2-Nitroaniline	88-74-4	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
3-Nitroaniline	99-09-2	5	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2
4-Nitroaniline	100-01-6	5	ND		5	1.4	ND		5	1.4	ND		5	1.4	ND		5	1.4	ND		5	1.4
Dibenzofuran	132-64-9		ND		2	0.4	ND		2	0.4	0.62	J	2	0.4	ND		2	0.4	ND		2	0.4
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ND		10	0.24	ND		10	0.24	ND		10	0.24	ND		10	0.24	ND		10	0.24
Acetophenone	98-86-2		ND		5	0.92	ND		5	0.92	ND		5	0.92	ND		5	0.92	ND		5	0.92
2,4,6-Trichlorophenol	88-06-2		ND		5	2.1	ND		5	2.1	ND		5	2.1	ND		5	2.1	ND		5	2.1
p-Chloro-m-cresol	59-50-7		ND		2	0.61	ND		2	0.61	ND		2	0.61	ND		2	0.61	ND		2	0.61
2-Chlorophenol	95-57-8		ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
2,4-Dichlorophenol	120-83-2	1	ND		5	1.7	ND		5	1.7	ND		5	1.7	ND		5	1.7	ND		5	1.7
2,4-Dimethylphenol	105-67-9	50	ND		5	2	ND		5	2	ND		5	2	ND		5	2	ND		5	2
2-Nitrophenol	88-75-5		ND		10	2	ND		10	2	ND		10	2	ND		10	2	ND		10	2
4-Nitrophenol	100-02-7		ND		10	1.4	ND		10	1.4	ND		10	1.4	ND		10	1.4	ND		10	1.4
2,4-Dinitrophenol	51-28-5	10	ND		20	5.4	ND		20	5.4	ND		20	5.4	ND		20	5.4	ND		20	5.4
4,6-Dinitro-o-cresol	534-52-1		ND		10	2.3	ND		10	2.3	ND		10	2.3	ND		10	2.3	ND		10	2.3
Phenol	108-95-2	1	ND		5	0.35	ND		5	0.35	ND		5	0.35	ND		5	0.35	ND		5	0.35
2-Methylphenol	95-48-7		ND		5	2.3	ND		5	2.3	ND		5	2.3	ND		5	2.3	ND		5	2.3
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		ND		5	1.4	ND		5	1.4	ND		5	1.4	ND		5	1.4	ND		5	1.4
2,4,5-Trichlorophenol	95-95-4		ND		5	2.1	ND		5	2.1	ND		5	2.1	ND		5	2.1	ND		5	2.1
Carbazole	86-74-8		ND		2	0.31	ND		2	0.31	ND		2	0.31	ND		2	0.31	ND		2	0.31
Atrazine	1912-24-9	7.5	ND		10	1	ND		10	1	ND		10	1	ND		10	1	ND		10	1
Benzaldehyde	100-52-7		ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1
Caprolactam	105-60-2		ND		10	1.2	ND		10	1.2	ND		10	1.2	ND		10	1.2	ND		10	1.2
2,3,4,6-Tetrachlorophenol	58-90-2		ND		5	2.2	ND		5	2.2	ND		5	2.2	ND		5	2.2	ND		5	2.2
Total SVOCs			-	-	-	-	2	-	-	-	4.22	-	-	-	5.9	-	-	-	5.1	-	-	-

TABLE 1: GROUNDWATER RESULTS - 2025
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

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		LAB ID:	L2514557-01				L2514557-05				L2514557-02				L2514557-03				L2514557-04			
		COLLECTION DATE:	3/13/2025				3/13/2025				3/13/2025				3/13/2025				3/13/2025			
		SAMPLE DEPTH:																				
		SAMPLE MATRIX:	WATER				WATER				WATER				WATER				WATER			
		NY-AWQS																				
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS-SIM																						
Acenaphthene	83-32-9	20	ND		0.1	0.02	ND		0.1	0.02	1.3		0.1	0.02	0.14		0.1	0.02	ND		0.1	0.02
2-Chloronaphthalene	91-58-7	10	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02
Fluoranthene	206-44-0	50	ND		0.1	0.03	ND		0.1	0.03	0.03	J	0.1	0.03	ND		0.1	0.03	ND		0.1	0.03
Hexachlorobutadiene	87-68-3	0.5	ND		0.5	0.02	ND		0.5	0.02	ND		0.5	0.02	ND		0.5	0.02	ND		0.5	0.02
Naphthalene	91-20-3	10	ND		0.1	0.02	ND		0.1	0.02	0.61		0.1	0.02	0.09	J	0.1	0.02	ND		0.1	0.02
Benzo(a)anthracene	56-55-3	0.002	ND		0.1	0.03	0.04	J	0.1	0.03	ND		0.1	0.03	0.04	J	0.1	0.03	ND		0.1	0.03
Benzo(a)pyrene	50-32-8	0	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Benzo(b)fluoranthene	205-99-2	0.002	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03
Benzo(k)fluoranthene	207-08-9	0.002	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03
Chrysene	218-01-9	0.002	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03
Acenaphthylene	208-96-8		ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Anthracene	120-12-7	50	ND		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Benzo(ghi)perylene	191-24-2		ND		0.1	0.02	ND		0.1	0.02	0.11		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Fluorene	86-73-7	50	ND		0.1	0.03	ND		0.1	0.03	1.9		0.1	0.03	0.12		0.1	0.03	ND		0.1	0.03
Phenanthrene	85-01-8	50	ND		0.1	0.04	ND		0.1	0.04	ND		0.1	0.04	ND		0.1	0.04	ND		0.1	0.04
Dibenzo(a,h)anthracene	53-70-3		ND		0.1	0.02	ND		0.1	0.02	0.07	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ND		0.1	0.02	ND		0.1	0.02	0.1	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Pyrene	129-00-0	50	ND		0.1	0.04	ND		0.1	0.04	0.14		0.1	0.04	ND		0.1	0.04	ND		0.1	0.04
2-Methylnaphthalene	91-57-6		ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03	ND		0.1	0.03
Pentachloropheno	87-86-5	1	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06
Hexachlorobenzene	118-74-1	0.04	ND		0.8	0.01	0.04	J	0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01
Hexachloroethane	67-72-1	5	ND		0.8	0.02	ND		0.8	0.02	ND		0.8	0.02	ND		0.8	0.02	ND		0.8	0.02
Total SVOCs			-	-	-	-	0.11	-	-	-	4.26	-	-	-	0.39	-	-	-	-	-	-	-

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 20

Gray highlights indicate reporting limit is equal to or above the groundwater standard/guidance value

Yellow highlights indicate concentration exceeds the groundwater standard/guidance value

ND indicates non-detect at the reporting limit

J indicates an estimated value below the reporting limit but above the method detection limit

USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

		SAMPLE ID:	MW-2	MW-2	MW-2	FD-GW1_200220 (MW-2)	MW-2	MW-02-20230113	MW-2_250313	MW-3	FD-GW1-20190311 (MW-3)	MW-3	MW-3	
		LAB ID:	L1806118-02	L1909460-02	L2007757-03	L2007757-06	L2208194-03	L2302270-02	L2514557-02	L1909460-03	L1909460-05	L2007757-02	L2208194-02	
		COLLECTION DATE:	2/21/2018	3/11/2019	2/20/2020	2/20/2020	2/16/2022	1/13/2023	3/13/2025	3/11/2019	3/11/2019	2/19/2020	2/16/2022	
		SAMPLE MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
		NY-AWQS												
ANALYTE	CAS	(ug/l)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SEMIVOLATILE ORGANICS BY GC/MS														
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ND	0.67	ND	0.44	ND	0.44	ND	0.44	ND	0.44	ND	0.44
2,3,4,6-Tetrachlorophenol	58-90-2	NE	ND	0.93	ND	0.84	ND	0.84	ND	0.84	ND	0.84	ND	0.84
2,4,5-Trichlorophenol	95-95-4	NE	ND	0.72	ND	0.77	ND	0.77	ND	0.77	ND	0.77	ND	0.77
2,4,6-Trichlorophenol	88-06-2	NE	ND	0.68	ND	0.61	ND	0.61	ND	0.61	ND	0.61	ND	0.61
2,4-Dichlorophenol	120-83-2	1	ND	0.77	ND	0.41	ND	0.41	ND	0.41	ND	0.41	ND	0.41
2,4-Dimethylphenol	105-67-9	50	ND	1.6	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8
2,4-Dinitrophenol	51-28-5	10	ND	5.5	ND	6.6	ND	6.6	ND	6.6	ND	6.6	ND	6.6
2,4-Dinitrotoluene	121-14-2	5	ND	0.84	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2
2,6-Dinitrotoluene	606-20-2	5	ND	1.1	ND	0.93	ND	0.93	ND	0.93	ND	0.93	ND	0.93
2-Chlorophenol	95-57-8	NE	ND	0.63	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48
2-Methylphenol	95-48-7	NE	-	-	-	-	-	-	ND	0.49	ND	0.49	ND	0.49
2-Nitroaniline	88-74-4	5	ND	1.1	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
2-Nitrophenol	88-75-5	NE	ND	1.5	ND	0.85	ND	0.85	ND	0.85	ND	0.85	ND	0.85
3,3'-Dichlorobenzidine	91-94-1	5	ND	1.4	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	NE	ND	1.1	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.48
3-Nitroaniline	99-09-2	5	ND	1.2	ND	0.81	ND	0.81	ND	0.81	ND	0.81	ND	0.81
4,6-Dinitro-o-cresol	534-52-1	NE	ND	2.1	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8
4-Bromophenyl phenyl ether	101-55-3	NE	ND	0.73	ND	0.38	ND	0.38	ND	0.38	ND	0.38	ND	0.38
4-Chloroaniline	106-47-8	5	ND	0.63	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1
4-Chlorophenyl phenyl ether	7005-72-3	NE	ND	0.62	ND	0.49	ND	0.49	ND	0.49	ND	0.49	ND	0.49
4-Nitroaniline	100-01-6	5	ND	1.3	ND	0.8	ND	0.8	ND	0.8	ND	0.8	ND	0.8
4-Nitrophenol	100-02-7	NE	ND	1.8	ND	0.67	ND	0.67	ND	0.67	ND	0.67	ND	0.67
Acetophenone	98-86-2	NE	ND	0.85	ND	0.53	ND	0.53	ND	0.53	ND	0.53	ND	0.53
Atrazine	1912-24-9	7.5	ND	1.8	ND	0.76	ND	0.76	ND	0.76	ND	0.76	ND	0.76
Benzaldehyde	100-52-7	NE	ND	1.1	ND	0.53	ND	0.53	ND	0.53	ND	0.53	ND	0.53
Biphenyl	92-52-4	NE	ND	0.76	ND	0.46	ND	0.46	ND	0.46	ND	0.46	ND	0.46
Bis(2-chloroethoxy)methane	111-91-1	5	ND	0.63	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bis(2-chloroethyl)ether	111-44-4	1	ND	0.67	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bis(2-chloroisopropyl)ether	108-60-1	5	ND	0.7	ND	0.53	ND	0.53	ND	0.53	ND	0.53	ND	0.53
Bis(2-ethylhexyl)phthalate	117-81-7	5	ND	0.91	2.6	J 1.5	ND	1.5	ND	1.5	2.3	J 1.4	1.8	J 1.5
Butyl benzyl phthalate	85-68-7	50	ND	1.3	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2
Caprolactam	105-60-2	NE	ND	3.6	ND	3.3	ND	3.3	ND	3.3	ND	3.3	ND	3.3
Carbazole	86-74-8	NE	ND	0.63	ND	0.49	ND	0.49	ND	0.49	ND	0.49	ND	0.49
Di-n-butylphthalate	84-74-2	50	ND	0.69	ND	0.39	ND	0.39	ND	0.39	ND	0.39	ND	0.39
Di-n-octylphthalate	117-84-0	50	ND	1.1	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3
Dibenzofuran	132-64-9	NE	ND	0.66	ND	0.5	1.6	J 0.5	1.5	J 0.5	0.62	J 0.4	3.4	0.5
Diethyl phthalate	84-66-2	50	ND	0.63	ND	0.38	ND	0.38	ND	0.38	1.3	J 0.76	ND	0.38
Dimethyl phthalate	131-11-3	50	ND	0.65	ND	1.8	ND	1.8	ND	1.8	ND	0.92	ND	1.8
Hexachlorocyclopentadiene	77-47-4	5	ND	7.8	ND	0.69	ND	0.69	ND	0.69	ND	1.2	ND	0.69
Isophorone	78-59-1	50	ND	0.6	ND	1.2	ND	1.2	ND	1.2	ND	0.86	ND	1.2
n-Nitrosodi-n-propylamine	621-64-7	NE	ND	0.7	ND	0.64	ND	0.64	ND	0.64	ND	0.91	ND	0.64
NDPA/DPA	86-30-6	50	ND	0.64	ND	0.42	ND	0.42	ND	0.42	ND	0.92	ND	0.42
Nitrobenzene	98-95-3	0.4	ND	0.75	ND	0.77	ND	0.77	ND	0.77	ND	0.77	ND	0.77
p-Chloro-m-cresol	59-50-7	NE	ND	0.62	ND	0.35	ND	0.35	ND	0.35	ND	0.61	ND	0.35
Phenol	108-95-2	1	ND	1.9	ND	0.57	ND	0.57	ND	0.57	ND	0.35	ND	0.57
Total SVOCs by GC/MS		NE	-	-	-	2.6	-	-	1.6	-	-	4.22	-	-
SEMIVOLATILE ORGANICS BY GC/MS-SIM														
2-Chloronaphthalene	91-58-7	10	ND	0.04	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02
2-Methylnaphthalene	91-57-6	NE	ND	0.05	ND	0.02	ND	0.02	0.07	J 0.02	ND	0.02	ND	0.03
Acenaphthene	83-32-9	20	ND	0.04	0.52	0.01	2.6	0.01	2.5	0.01	2.4	0.01	1.3	0.02
Acenaphthylene	208-96-8	NE	0.04	J 0.04	ND	0.01	ND	0.01	0.47	0.01	ND	0.01	1.1	0.01
Anthracene	120-12-7	50	ND	0.04	ND	0.01	ND	0.01	ND	0.01	ND	0.01	0.2	0.01
Benzo(a)anthracene	56-55-3	0.002	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02
Benzo(a)pyrene	50-32-8	ND	ND	0.04	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02
Benzo(b)fluoranthene	205-99-2	0.002	ND	0.02	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Benzo(ghi)perylene	191-24-2	NE	ND	0.04	0.02	J 0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Benzo(k)fluoranthene	207-08-9	0.002	ND	0.04	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Chrysene	218-01-9	0.002	ND	0.04	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Dibenzo(a,h)anthracene	53-70-3	NE	ND	0.04	ND	0.01	NE	0.01	ND	0.01	ND	0.01	ND	0.01
Fluoranthene	206-44-0	50	ND	0.04	ND	0.02	ND	0.02	ND	0.02	0.03	J 0.03	ND	0.02
Fluorene	86-73-7	50	ND	0.04	0.6	0.01	4.4	0.01	4.1	0.01	0.09	J 0.01	3.9	0.01
Hexachlorobenzene	118-74-1	0.04	ND	0.03	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Hexachlorobutadiene	87-68-3	0.5	ND	0.04	ND	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05
Hexachloroethane	67-72-1	5	ND	0.03	ND	0.06	ND	0.06	ND	0.06	ND	0.02	ND	0.06
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ND	0.04	0.01	J 0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01
Naphthalene	91-20-3	10	ND	0.04	0.08	J 0.05	1.2	0.05	1.2	0.05	ND	0.05	0.61	0.02
Pentachlorophenol	87-86-5	1	ND	0.22	ND	0.01	ND	0.01	ND	0.01	ND	0.06	ND	0.01
Phenanthrene	85-01-8	50	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	3.8	0.02
Pyrene	129-00-0	50	0.12	0.04	0.54	0.02	0.21	0.02	0.19	0.02	ND	0.02	0.14	0.04
Total SVOCs by GC/MS-SIM		NE	0.16	-	-	1.77	-	-	8.41	-	-	8.53	-	-
Total SVOCs by GC/MS and GC/MS-SIM		NE	0.16	-	-	4.37	-	-	10.01	-	-	10.03	-	-

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

J denotes an estimated concentration

ND denotes Non-Detect results

NE denotes regulatory levels not established

		SAMPLE ID:	MW-13			MW-16			MW-18		
		LAB ID:	L1806118-04			L1806118-05			L1806118-06		
		COLLECTION DATE:	2/21/2018			2/21/2018			2/21/2018		
		SAMPLE MATRIX:	WATER			WATER			WATER		
		NY-AWQS									
ANALYTE	CAS	(ug/l)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
VOLATILE ORGANICS BY GC/MS											
1,1,1-Trichloroethane	71-55-6	5	-	-	-	-	-	-	ND	-	0.7
1,1,2,2-Tetrachloroethane	79-34-5	5	-	-	-	-	-	-	ND	-	0.17
1,1,2-Trichloroethane	79-00-5	1	-	-	-	-	-	-	ND	-	0.5
1,1-Dichloroethane	75-34-3	5	-	-	-	-	-	-	ND	-	0.7
1,1-Dichloroethene	75-35-4	5	-	-	-	-	-	-	ND	-	0.17
1,2,3-Trichlorobenzene	87-61-6	5	-	-	-	-	-	-	ND	-	0.7
1,2,4-Trichlorobenzene	120-82-1	5	-	-	-	-	-	-	ND	-	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND	-	0.7	ND	-	0.7	-	-	-
1,2-Dibromo-3-chloropropane	96-12-8	0.04	-	-	-	-	-	-	ND	-	0.7
1,2-Dibromoethane	106-93-4	0.0006	-	-	-	-	-	-	ND	-	0.65
1,2-Dichlorobenzene	95-50-1	3	-	-	-	-	-	-	ND	-	0.7
1,2-Dichloroethane	107-06-2	0.6	-	-	-	-	-	-	ND	-	0.13
1,2-Dichloropropane	78-87-5	1	-	-	-	-	-	-	ND	-	0.14
1,3,5-Trimethylbenzene	108-67-8	5	ND	-	0.7	ND	-	0.7	-	-	-
1,3-Dichlorobenzene	541-73-1	3	-	-	-	-	-	-	ND	-	0.7
1,4-Dichlorobenzene	106-46-7	3	-	-	-	-	-	-	ND	-	0.7
1,4-Dioxane	123-91-1	0.35	-	-	-	-	-	-	ND	-	61
2-Butanone	78-93-3	50	-	-	-	-	-	-	ND	-	1.9
2-Hexanone	591-78-6	50	-	-	-	-	-	-	ND	-	1
4-Methyl-2-pentanone	108-10-1	NE	-	-	-	-	-	-	ND	-	1
Acetone	67-64-1	50	-	-	-	-	-	-	ND	-	1.5
Benzene	71-43-2	1	ND	-	0.16	ND	-	0.16	ND	-	0.16
Bromochloromethane	74-97-5	5	-	-	-	-	-	-	ND	-	0.7
Bromodichloromethane	75-27-4	50	-	-	-	-	-	-	ND	-	0.19
Bromoform	75-25-2	50	-	-	-	-	-	-	ND	-	0.65
Bromomethane	74-83-9	5	-	-	-	-	-	-	ND	-	0.7
Carbon disulfide	75-15-0	60	-	-	-	-	-	-	ND	-	1
Carbon tetrachloride	56-23-5	5	-	-	-	-	-	-	ND	-	0.13
Chlorobenzene	108-90-7	5	-	-	-	-	-	-	ND	-	0.7
Chloroethane	75-00-3	5	-	-	-	-	-	-	ND	-	0.7
Chloroform	67-66-3	7	-	-	-	-	-	-	ND	-	0.7
Chloromethane	74-87-3	NE	-	-	-	-	-	-	ND	-	0.7
cis-1,2-Dichloroethene	156-59-2	5	-	-	-	-	-	-	ND	-	0.7
cis-1,3-Dichloropropene	10061-01-5	0.4	-	-	-	-	-	-	ND	-	0.14
Cyclohexane	110-82-7	NE	-	-	-	-	-	-	ND	-	0.27
Dibromochloromethane	124-48-1	50	-	-	-	-	-	-	ND	-	0.15
Dichlorodifluoromethane	75-71-8	5	-	-	-	-	-	-	ND	-	1
Ethylbenzene	100-41-4	5	ND	-	0.7	ND	-	0.7	ND	-	0.7
Freon-113	76-13-1	5	-	-	-	-	-	-	ND	-	0.7
Isopropylbenzene	98-82-8	5	ND	-	0.7	ND	-	0.7	ND	-	0.7
Methyl Acetate	79-20-9	NE	-	-	-	-	-	-	ND	-	0.23
Methyl cyclohexane	108-87-2	NE	-	-	-	-	-	-	ND	-	0.4
Methyl tert butyl ether	1634-04-4	10	ND	-	0.7	ND	-	0.7	ND	-	0.7
Methylene chloride	75-09-2	5	-	-	-	-	-	-	ND	-	0.7
n-Butylbenzene	104-51-8	5	ND	-	0.7	ND	-	0.7	-	-	-
n-Propylbenzene	103-65-1	5	ND	-	0.7	ND	-	0.7	-	-	-
Naphthalene	91-20-3	10	ND	-	0.7	ND	-	0.7	-	-	-
o-Xylene	95-47-6	5	ND	-	0.7	ND	-	0.7	ND	-	0.7
p-Isopropyltoluene	99-87-6	5	ND	-	0.7	ND	-	0.7	-	-	-
p/m-Xylene	179601-23-1	5	ND	-	0.7	ND	-	0.7	ND	-	0.7
sec-Butylbenzene	135-98-8	5	ND	-	0.7	ND	-	0.7	-	-	-
Styrene	100-42-5	5	-	-	-	-	-	-	ND	-	0.7
tert-Butylbenzene	98-06-6	5	ND	-	0.7	ND	-	0.7	-	-	-
Tetrachloroethene	127-18-4	5	-	-	-	-	-	-	ND	-	0.18
Toluene	108-88-3	5	ND	-	0.7	ND	-	0.7	ND	-	0.7
trans-1,2-Dichloroethene	156-60-5	5	-	-	-	-	-	-	ND	-	0.7
trans-1,3-Dichloropropene	10061-02-6	0.4	-	-	-	-	-	-	ND	-	0.16
Trichloroethene	79-01-6	5	-	-	-	-	-	-	ND	-	0.18
Trichlorofluoromethane	75-69-4	5	-	-	-	-	-	-	ND	-	0.7
Vinyl chloride	75-01-4	2	-	-	-	-	-	-	ND	-	0.07
Total VOCs		NE	-	-	-	-	-	-	-	-	-

		SAMPLE ID:	MW-13			MW-16			MW-18		
		LAB ID:	L1806118-04			L1806118-05			L1806118-06		
		COLLECTION DATE:	2/21/2018			2/21/2018			2/21/2018		
		SAMPLE MATRIX:	WATER			WATER			WATER		
		NY-AWQS									
ANALYTE	CAS	(ug/l)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
SEMIVOLATILE ORGANICS BY GC/MS											
1,2,4,5-Tetrachlorobenzene	95-94-3	5	-	-	-	-	-	-	ND		0.67
2,3,4,6-Tetrachlorophenol	58-90-2	NE	-	-	-	-	-	-	ND		0.93
2,4,5-Trichlorophenol	95-95-4	NE	-	-	-	-	-	-	ND		0.72
2,4,6-Trichlorophenol	88-06-2	NE	-	-	-	-	-	-	ND		0.68
2,4-Dichlorophenol	120-83-2	1	-	-	-	-	-	-	ND		0.77
2,4-Dimethylphenol	105-67-9	50	-	-	-	-	-	-	ND		1.6
2,4-Dinitrophenol	51-28-5	10	-	-	-	-	-	-	ND		5.5
2,4-Dinitrotoluene	121-14-2	5	-	-	-	-	-	-	ND		0.84
2,6-Dinitrotoluene	606-20-2	5	-	-	-	-	-	-	ND		1.1
2-Chlorophenol	95-57-8	NE	-	-	-	-	-	-	ND		0.63
2-Methylphenol	95-48-7	NE	-	-	-	-	-	-	-		-
2-Nitroaniline	88-74-4	5	-	-	-	-	-	-	ND		1.1
2-Nitrophenol	88-75-5	NE	-	-	-	-	-	-	ND		1.5
3,3'-Dichlorobenzidine	91-94-1	5	-	-	-	-	-	-	ND		1.4
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	NE	-	-	-	-	-	-	ND		1.1
3-Nitroaniline	99-09-2	5	-	-	-	-	-	-	ND		1.2
4,6-Dinitro-o-cresol	534-52-1	NE	-	-	-	-	-	-	ND		2.1
4-Bromophenyl phenyl ether	101-55-3	NE	-	-	-	-	-	-	ND		0.73
4-Chloroaniline	106-47-8	5	-	-	-	-	-	-	ND		0.63
4-Chlorophenyl phenyl ether	7005-72-3	NE	-	-	-	-	-	-	ND		0.62
4-Nitroaniline	100-01-6	5	-	-	-	-	-	-	ND		1.3
4-Nitrophenol	100-02-7	NE	-	-	-	-	-	-	ND		1.8
Acetophenone	98-86-2	NE	-	-	-	-	-	-	ND		0.85
Atrazine	1912-24-9	7.5	-	-	-	-	-	-	ND		1.8
Benzaldehyde	100-52-7	NE	-	-	-	-	-	-	ND		1.1
Biphenyl	92-52-4	NE	-	-	-	-	-	-	ND		0.76
Bis(2-chloroethoxy)methane	111-91-1	5	-	-	-	-	-	-	ND		0.63
Bis(2-chloroethyl)ether	111-44-4	1	-	-	-	-	-	-	ND		0.67
Bis(2-chloroisopropyl)ether	108-60-1	5	-	-	-	-	-	-	ND		0.7
Bis(2-ethylhexyl)phthalate	117-81-7	5	-	-	-	-	-	-	ND		0.91
Butyl benzyl phthalate	85-68-7	50	-	-	-	-	-	-	ND		1.3
Caprolactam	105-60-2	NE	-	-	-	-	-	-	ND		3.6
Carbazole	86-74-8	NE	-	-	-	-	-	-	ND		0.63
Di-n-butylphthalate	84-74-2	50	-	-	-	-	-	-	ND		0.69
Di-n-octylphthalate	117-84-0	50	-	-	-	-	-	-	ND		1.1
Dibenzofuran	132-64-9	NE	-	-	-	-	-	-	ND		0.66
Diethyl phthalate	84-66-2	50	-	-	-	-	-	-	ND		0.63
Dimethyl phthalate	131-11-3	50	-	-	-	-	-	-	ND		0.65
Hexachlorocyclopentadiene	77-47-4	5	-	-	-	-	-	-	ND		7.8
Isophorone	78-59-1	50	-	-	-	-	-	-	ND		0.6
n-Nitrosodi-n-propylamine	621-64-7	NE	-	-	-	-	-	-	ND		0.7
NDPA/DPA	86-30-6	50	-	-	-	-	-	-	ND		0.64
Nitrobenzene	98-95-3	0.4	-	-	-	-	-	-	ND		0.75
p-Chloro-m-cresol	59-50-7	NE	-	-	-	-	-	-	ND		0.62
Phenol	108-95-2	1	-	-	-	-	-	-	ND		1.9
Total SVOCs by GC/MS		NE	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-SIM											
2-Chloronaphthalene	91-58-7	10	-	-	-	-	-	-	ND		0.04
2-Methylnaphthalene	91-57-6	NE	-	-	-	-	-	-	ND		0.05
Acenaphthene	83-32-9	20	ND	0.03	ND	0.03	ND	0.03	ND		0.04
Acenaphthylene	208-96-8	NE	ND	0.03	ND	0.03	ND	0.03	ND		0.04
Anthracene	120-12-7	50	ND	0.03	ND	0.03	0.04	J	0.04		0.04
Benzo(a)anthracene	56-55-3	0.002	ND	0.02	0.03	J	0.02	ND	0.02		0.02
Benzo(a)pyrene	50-32-8	ND	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Benzo(b)fluoranthene	205-99-2	0.002	ND	0.02	0.04	J	0.02	ND	0.02		0.02
Benzo(ghi)perylene	191-24-2	NE	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Benzo(k)fluoranthene	207-08-9	0.002	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Chrysene	218-01-9	0.002	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Dibenzo(a,h)anthracene	53-70-3	NE	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Fluoranthene	206-44-0	50	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Fluorene	86-73-7	50	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Hexachlorobenzene	118-74-1	0.04	-	-	-	-	-	-	ND		0.03
Hexachlorobutadiene	87-68-3	0.5	-	-	-	-	-	-	ND		0.04
Hexachloroethane	67-72-1	5	-	-	-	-	-	-	ND		0.03
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Naphthalene	91-20-3	10	0.22	0.04	0.04	J	0.04	ND	0.04		0.04
Pentachlorophenol	87-86-5	1	-	-	-	-	-	-	ND		0.22
Phenanthrene	85-01-8	50	ND	0.02	0.02	J	0.01	ND	0.02		0.02
Pyrene	129-00-0	50	ND	0.04	ND	0.04	ND	0.04	ND		0.04
Total SVOCs by GC/MS-SIM		NE	0.22	-	-	0.13	-	-	0.04	-	-
Total SVOCs by GC/MS and GC/MS-SIM		NE	0.22	-	-	0.13	-	-	0.04	-	-

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

J denotes an estimated concentration

ND denotes Non-Detect results

NE denotes regulatory levels not established

TABLE 4A: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-1 AND IA-7
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-1_20250327				IA-7_20250327				ACTION
LAB ID:	L2519127-01				L2519127-12				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 3A				AREA 5				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	9.35		1.07	0.295	-		-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		0.793	0.236	-		-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		0.793	0.225	-		-	-	NO FURTHER ACTION
Carbon tetrachloride	4.57		1.26	0.432	-		-	-	NO FURTHER ACTION
Tetrachloroethene	2.14		1.36	0.425	-		-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	10.7		1.09	0.335	-		-	-	NO FURTHER ACTION
Methylene chloride	ND		1.74	0.434	-		-	-	NO FURTHER ACTION
Vinyl chloride	ND		0.511	0.149	-		-	-	NO FURTHER ACTION
Benzene	0.211	J	0.639	0.205	-		-	-	NO FURTHER ACTION
Ethylbenzene	0.912		0.869	0.25	-		-	-	NO FURTHER ACTION
Naphthalene	ND		0.996	0.309	-		-	-	NO FURTHER ACTION
Cyclohexane	ND		0.688	0.251	-		-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		0.934	0.323	-		-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	ND		0.983	0.284	-		-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	ND		0.983	0.295	-		-	-	NO FURTHER ACTION
o-Xylene	1.78		0.869	0.27	-		-	-	NO FURTHER ACTION
p/m-Xylene	4.39		1.74	0.543	-		-	-	NO FURTHER ACTION
Heptane	ND		0.82	0.339	-		-	-	NO FURTHER ACTION
n-Hexane	1.16		0.705	0.262	-		-	-	NO FURTHER ACTION
Toluene	0.765		0.754	0.327	-		-	-	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	ND		0.51	0.153	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.376	0.192	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.376	0.145	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.448	J	0.597	0.328	NO FURTHER ACTION
Tetrachloroethene	-		-	-	ND		0.644	0.238	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	ND		0.518	0.153	NO FURTHER ACTION
Methylene chloride	-		-	-	ND		8.23	1.81	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.243	0.107	NO FURTHER ACTION
Benzene	-		-	-	ND		1.51	0.45	NO FURTHER ACTION
Ethylbenzene	-		-	-	0.721		0.412	0.175	NO FURTHER ACTION
Naphthalene	-		-	-	ND		1.24	0.522	NO FURTHER ACTION
Cyclohexane	-		-	-	ND		3.27	0.509	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	ND		4.43	0.822	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	ND		0.467	0.177	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	ND		0.467	0.224	NO FURTHER ACTION
o-Xylene	-		-	-	1.26		0.412	0.179	NO FURTHER ACTION
p/m-Xylene	-		-	-	3.03		0.825	0.371	NO FURTHER ACTION
Heptane	-		-	-	ND		3.89	0.607	NO FURTHER ACTION
n-Hexane	-		-	-	2.17	J	3.34	0.786	NO FURTHER ACTION
Toluene	-		-	-	2.07		1.79	0.297	NO FURTHER ACTION

All concentrations in ug/m3
 ND = non detect

TABLE 3: 4B: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-1 AND IA-2
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-1_20250327				IA-2_20250327				ACTION
LAB ID:	L2519127-01				L2519127-07				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 3A				AREA 3A				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	9.35		1.07	0.295	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		0.793	0.236	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		0.793	0.225	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	4.57		1.26	0.432	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	2.14		1.36	0.425	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	10.7		1.09	0.335	-	-	-	-	NO FURTHER ACTION
Methylene chloride	ND		1.74	0.434	-	-	-	-	NO FURTHER ACTION
Vinyl chloride	ND		0.511	0.149	-	-	-	-	NO FURTHER ACTION
Benzene	0.211	J	0.639	0.205	-	-	-	-	NO FURTHER ACTION
Ethylbenzene	0.912		0.869	0.25	-	-	-	-	NO FURTHER ACTION
Naphthalene	ND		0.996	0.309	-	-	-	-	NO FURTHER ACTION
Cyclohexane	ND		0.688	0.251	-	-	-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		0.934	0.323	-	-	-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	ND		0.983	0.284	-	-	-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	ND		0.983	0.295	-	-	-	-	NO FURTHER ACTION
o-Xylene	1.78		0.869	0.27	-	-	-	-	NO FURTHER ACTION
p/m-Xylene	4.39		1.74	0.543	-	-	-	-	NO FURTHER ACTION
Heptane	ND		0.82	0.339	-	-	-	-	NO FURTHER ACTION
n-Hexane	1.16		0.705	0.262	-	-	-	-	NO FURTHER ACTION
Toluene	0.765		0.754	0.327	-	-	-	-	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	ND		0.355	0.106	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.262	0.134	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.262	0.101	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.457		0.415	0.228	NO FURTHER ACTION
Tetrachloroethene	-		-	-	ND		0.448	0.165	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	ND		0.36	0.106	NO FURTHER ACTION
Methylene chloride	-		-	-	ND		5.73	1.26	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.169	0.074	NO FURTHER ACTION
Benzene	-		-	-	0.39	J	1.05	0.314	NO FURTHER ACTION
Ethylbenzene	-		-	-	0.96		0.287	0.122	NO FURTHER ACTION
Naphthalene	-		-	-	ND		0.865	0.363	NO FURTHER ACTION
Cyclohexane	-		-	-	ND		2.27	0.355	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	ND		3.08	0.57	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	0.422		0.324	0.123	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	ND		0.324	0.156	NO FURTHER ACTION
o-Xylene	-		-	-	1.81		0.287	0.125	NO FURTHER ACTION
p/m-Xylene	-		-	-	4.13		0.573	0.258	NO FURTHER ACTION
Heptane	-		-	-	ND		2.7	0.422	NO FURTHER ACTION
n-Hexane	-		-	-	17.7		2.33	0.546	NO FURTHER ACTION
Toluene	-		-	-	3.27		1.24	0.207	NO FURTHER ACTION

All concentrations in ug/m;
 ND = non detect

TABLE 4C: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-2 AND IA-5
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-2_20250327				IA-5_20250327				ACTION
LAB ID:	L2519127-02				L2519127-10				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 3A				AREA 3A				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	ND		1.07	0.295	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		0.793	0.236	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		0.793	0.225	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	0.459	J	1.26	0.432	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	ND		1.36	0.425	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	0.655	J	1.09	0.335	-	-	-	-	NO FURTHER ACTION
Methylene chloride	ND		1.74	0.434	0.914	J	1.74	0.434	NO FURTHER ACTION
Vinyl chloride	ND		0.511	0.149	-	-	-	-	NO FURTHER ACTION
Benzene	ND		0.639	0.205	0.31	J	0.639	0.205	NO FURTHER ACTION
Ethylbenzene	0.665	J	0.869	0.25	1.13		0.869	0.25	NO FURTHER ACTION
Naphthalene	ND		0.996	0.309	ND		0.996	0.309	NO FURTHER ACTION
Cyclohexane	ND		0.688	0.251	ND		0.688	0.251	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		0.934	0.323	ND		0.934	0.323	NO FURTHER ACTION
1,2,4-Trimethylbenzene	0.354	J	0.983	0.284	0.359	J	0.983	0.284	NO FURTHER ACTION
1,3,5-Trimethylbenzene	ND		0.983	0.295	ND		0.983	0.295	NO FURTHER ACTION
o-Xylene	1.46		0.869	0.27	2.19		0.869	0.27	NO FURTHER ACTION
p/m-Xylene	3.31		1.74	0.543	5.08		1.74	0.543	NO FURTHER ACTION
Heptane	ND		0.82	0.339	ND		0.82	0.339	NO FURTHER ACTION
n-Hexane	10.4		0.705	0.262	14.1		0.705	0.262	NO FURTHER ACTION
Toluene	0.358	J	0.754	0.327	4.18		0.754	0.327	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	0.065	J	0.107	0.032	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.079	0.04	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.079	0.031	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.44		0.126	0.069	NO FURTHER ACTION
Tetrachloroethene	-		-	-	0.122	J	0.136	0.05	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	0.115		0.109	0.032	NO FURTHER ACTION
Methylene chloride	-		-	-	-		-	-	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.051	0.023	NO FURTHER ACTION
Benzene	-		-	-	-		-	-	NO FURTHER ACTION
Ethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
Naphthalene	-		-	-	-		-	-	NO FURTHER ACTION
Cyclohexane	-		-	-	-		-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	-		-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
o-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
p/m-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
Heptane	-		-	-	-		-	-	NO FURTHER ACTION
n-Hexane	-		-	-	-		-	-	NO FURTHER ACTION
Toluene	-		-	-	-		-	-	NO FURTHER ACTION

All concentrations in ug/m;
ND = non detect

TABLE 4D: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-3 AND IA-3
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-3_20250327				IA-3_20250327				ACTION
LAB ID:	L2519127-03				L2519127-08				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 2				AREA 2				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	3.04		1.07	0.295	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		0.793	0.236	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		0.793	0.225	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	ND		1.26	0.432	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	558		1.36	0.425	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	64.4		1.09	0.335	-	-	-	-	NO FURTHER ACTION
Methylene chloride	ND		1.74	0.434	0.896	J	1.74	0.434	NO FURTHER ACTION
Vinyl chloride	ND		0.511	0.149	-	-	-	-	NO FURTHER ACTION
Benzene	ND		0.639	0.205	0.345	J	0.639	0.205	NO FURTHER ACTION
Ethylbenzene	0.504	J	0.869	0.25	2		0.869	0.25	NO FURTHER ACTION
Naphthalene	ND		0.996	0.309	ND		0.996	0.309	NO FURTHER ACTION
Cyclohexane	ND		0.688	0.251	ND		0.688	0.251	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		0.934	0.323	ND		0.934	0.323	NO FURTHER ACTION
1,2,4-Trimethylbenzene	0.3	J	0.983	0.284	ND		0.983	0.284	NO FURTHER ACTION
1,3,5-Trimethylbenzene	ND		0.983	0.295	ND		0.983	0.295	NO FURTHER ACTION
o-Xylene	0.956		0.869	0.27	3.58		0.869	0.27	NO FURTHER ACTION
p/m-Xylene	2.09		1.74	0.543	8.3		1.74	0.543	NO FURTHER ACTION
Heptane	ND		0.82	0.339	1.24		0.82	0.339	NO FURTHER ACTION
n-Hexane	4.05		0.705	0.262	0.765		0.705	0.262	NO FURTHER ACTION
Toluene	0.757		0.754	0.327	3.51		0.754	0.327	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	0.059	J	0.107	0.032	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.079	0.04	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.079	0.031	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.428		0.126	0.069	NO FURTHER ACTION
Tetrachloroethene	-		-	-	0.129	J	0.136	0.05	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	0.115		0.109	0.032	NO FURTHER ACTION
Methylene chloride	-		-	-	-		-	-	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.051	0.023	NO FURTHER ACTION
Benzene	-		-	-	-		-	-	NO FURTHER ACTION
Ethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
Naphthalene	-		-	-	-		-	-	NO FURTHER ACTION
Cyclohexane	-		-	-	-		-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	-		-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
o-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
p/m-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
Heptane	-		-	-	-		-	-	NO FURTHER ACTION
n-Hexane	-		-	-	-		-	-	NO FURTHER ACTION
Toluene	-		-	-	-		-	-	NO FURTHER ACTION

All concentrations in ug/m;
ND = non detect

TABLE 4E: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-4 AND IA-1
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-4_20250327				IA-1_20250327				ACTION
LAB ID:	L2519127-04				L2519127-06				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 4				AREA 4				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	ND		1.66	0.455	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		1.23	0.365	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		1.23	0.348	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	ND		1.94	0.667	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	1.67	J	2.1	0.657	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	ND		1.69	0.518	-	-	-	-	NO FURTHER ACTION
Methylene chloride	ND		2.69	0.67	0.723	J	1.74	0.434	NO FURTHER ACTION
Vinyl chloride	ND		0.79	0.23	-	-	-	-	NO FURTHER ACTION
Benzene	0.617	J	0.987	0.318	0.364	J	0.639	0.205	NO FURTHER ACTION
Ethylbenzene	2.74		1.34	0.386	1.29		0.869	0.25	NO FURTHER ACTION
Naphthalene	ND		1.54	0.478	ND		0.996	0.309	NO FURTHER ACTION
Cyclohexane	ND		1.06	0.386	ND		0.688	0.251	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		1.44	0.5	ND		0.934	0.323	NO FURTHER ACTION
1,2,4-Trimethylbenzene	1.63		1.52	0.439	ND		0.983	0.284	NO FURTHER ACTION
1,3,5-Trimethylbenzene	0.516	J	1.52	0.456	ND		0.983	0.295	NO FURTHER ACTION
o-Xylene	13.6		1.34	0.417	2.43		0.869	0.27	NO FURTHER ACTION
p/m-Xylene	14.7		2.68	0.838	6.17		1.74	0.543	NO FURTHER ACTION
Heptane	1.19	J	1.27	0.525	0.361	J	0.82	0.339	NO FURTHER ACTION
n-Hexane	11.7		1.09	0.405	2.58		0.705	0.262	NO FURTHER ACTION
Toluene	49.7		1.16	0.505	4.45		0.754	0.327	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	0.059	J	0.107	0.032	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.079	0.04	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.079	0.031	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.484		0.126	0.069	NO FURTHER ACTION
Tetrachloroethene	-		-	-	0.068	J	0.136	0.05	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	ND		0.109	0.032	NO FURTHER ACTION
Methylene chloride	-		-	-	-		-	-	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.051	0.023	NO FURTHER ACTION
Benzene	-		-	-	-		-	-	NO FURTHER ACTION
Ethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
Naphthalene	-		-	-	-		-	-	NO FURTHER ACTION
Cyclohexane	-		-	-	-		-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	-		-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
o-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
p/m-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
Heptane	-		-	-	-		-	-	NO FURTHER ACTION
n-Hexane	-		-	-	-		-	-	NO FURTHER ACTION
Toluene	-		-	-	-		-	-	NO FURTHER ACTION

All concentrations in ug/m;
ND = non detect

TABLE 4F: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-4 AND IA-6
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-4_20250327				IA-6_20250327				ACTION
LAB ID:	L2519127-04				L2519127-11				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 4				AREA 4				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	ND		1.66	0.455	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		1.23	0.365	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		1.23	0.348	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	ND		1.94	0.667	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	1.67	J	2.1	0.657	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	ND		1.69	0.518	-	-	-	-	NO FURTHER ACTION
Methylene chloride	ND		2.69	0.67	-	-	-	-	NO FURTHER ACTION
Vinyl chloride	ND		0.79	0.23	-	-	-	-	NO FURTHER ACTION
Benzene	0.617	J	0.987	0.318	-	-	-	-	NO FURTHER ACTION
Ethylbenzene	2.74		1.34	0.386	-	-	-	-	NO FURTHER ACTION
Naphthalene	ND		1.54	0.478	-	-	-	-	NO FURTHER ACTION
Cyclohexane	ND		1.06	0.386	-	-	-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	ND		1.44	0.5	-	-	-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	1.63		1.52	0.439	-	-	-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	0.516	J	1.52	0.456	-	-	-	-	NO FURTHER ACTION
o-Xylene	13.6		1.34	0.417	-	-	-	-	NO FURTHER ACTION
p/m-Xylene	14.7		2.68	0.838	-	-	-	-	NO FURTHER ACTION
Heptane	1.19	J	1.27	0.525	-	-	-	-	NO FURTHER ACTION
n-Hexane	11.7		1.09	0.405	-	-	-	-	NO FURTHER ACTION
Toluene	49.7		1.16	0.505	-	-	-	-	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	ND		0.482	0.145	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.356	0.181	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.356	0.137	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.479	J	0.564	0.31	NO FURTHER ACTION
Tetrachloroethene	-		-	-	ND		0.608	0.225	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	ND		0.489	0.144	NO FURTHER ACTION
Methylene chloride	-		-	-	1.73	J	7.78	1.71	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.229	0.101	NO FURTHER ACTION
Benzene	-		-	-	ND		1.43	0.428	NO FURTHER ACTION
Ethylbenzene	-		-	-	1.5		0.39	0.165	NO FURTHER ACTION
Naphthalene	-		-	-	ND		1.17	0.494	NO FURTHER ACTION
Cyclohexane	-		-	-	ND		3.09	0.482	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	ND		4.19	0.775	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	0.242	J	0.441	0.168	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	ND		0.441	0.211	NO FURTHER ACTION
o-Xylene	-		-	-	2.63		0.39	0.169	NO FURTHER ACTION
p/m-Xylene	-		-	-	6.6		0.777	0.351	NO FURTHER ACTION
Heptane	-		-	-	0.643	J	3.68	0.574	NO FURTHER ACTION
n-Hexane	-		-	-	5.92		3.16	0.744	NO FURTHER ACTION
Toluene	-		-	-	8.93		1.69	0.28	NO FURTHER ACTION

All concentrations in ug/m;
ND = non detect

TABLE 4G: 2025 SOIL VAPOR/INDOOR AIR MATRICES COMPARISON
VI-5 AND IA-4
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC NO. C336087

SAMPLE ID:	VI-5_20250327				IA-4_20250327				ACTION
LAB ID:	L2519127-05				L2519127-09				
COLLECTION DATE:	3/27/2025				3/27/2025				
AREA OF CONCERN:	AREA 8				AREA 8				
SAMPLE MATRIX:	SOIL_VAPOR				AIR				
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	
VOLATILE ORGANICS IN AIR									
Trichloroethene	ND		1.07	0.295	-	-	-	-	NO FURTHER ACTION
cis-1,2-Dichloroethene	ND		0.793	0.236	-	-	-	-	NO FURTHER ACTION
1,1-Dichloroethene	ND		0.793	0.225	-	-	-	-	NO FURTHER ACTION
Carbon tetrachloride	ND		1.26	0.432	-	-	-	-	NO FURTHER ACTION
Tetrachloroethene	0.542	J	1.36	0.425	-	-	-	-	NO FURTHER ACTION
1,1,1-Trichloroethane	ND		1.09	0.335	-	-	-	-	NO FURTHER ACTION
Methylene chloride	0.705	J	1.74	0.434	0.486	J	1.74	0.434	NO FURTHER ACTION
Vinyl chloride	ND		0.511	0.149	-	-	-	-	NO FURTHER ACTION
Benzene	0.364	J	0.639	0.205	0.303	J	0.639	0.205	NO FURTHER ACTION
Ethylbenzene	1.89		0.869	0.25	0.504	J	0.869	0.25	NO FURTHER ACTION
Naphthalene	ND		0.996	0.309	ND		0.996	0.309	NO FURTHER ACTION
Cyclohexane	0.382	J	0.688	0.251	ND		0.688	0.251	NO FURTHER ACTION
2,2,4-Trimethylpentane	0.766	J	0.934	0.323	ND		0.934	0.323	NO FURTHER ACTION
1,2,4-Trimethylbenzene	1.36		0.983	0.284	ND		0.983	0.284	NO FURTHER ACTION
1,3,5-Trimethylbenzene	0.467	J	0.983	0.295	ND		0.983	0.295	NO FURTHER ACTION
o-Xylene	7.82		0.869	0.27	0.886		0.869	0.27	NO FURTHER ACTION
p/m-Xylene	9.56		1.74	0.543	2.12		1.74	0.543	NO FURTHER ACTION
Heptane	18.9		0.82	0.339	0.369	J	0.82	0.339	NO FURTHER ACTION
n-Hexane	9.87		0.705	0.262	5.29		0.705	0.262	NO FURTHER ACTION
Toluene	94.2		0.754	0.327	3.26		0.754	0.327	NO FURTHER ACTION
VOLATILE ORGANICS IN AIR BY SIM									
Trichloroethene	-		-	-	ND		0.107	0.032	NO FURTHER ACTION
cis-1,2-Dichloroethene	-		-	-	ND		0.079	0.04	NO FURTHER ACTION
1,1-Dichloroethene	-		-	-	ND		0.079	0.031	NO FURTHER ACTION
Carbon tetrachloride	-		-	-	0.453		0.126	0.069	NO FURTHER ACTION
Tetrachloroethene	-		-	-	0.095	J	0.136	0.05	NO FURTHER ACTION
1,1,1-Trichloroethane	-		-	-	ND		0.109	0.032	NO FURTHER ACTION
Methylene chloride	-		-	-	-		-	-	NO FURTHER ACTION
Vinyl chloride	-		-	-	ND		0.051	0.023	NO FURTHER ACTION
Benzene	-		-	-	-		-	-	NO FURTHER ACTION
Ethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
Naphthalene	-		-	-	-		-	-	NO FURTHER ACTION
Cyclohexane	-		-	-	-		-	-	NO FURTHER ACTION
2,2,4-Trimethylpentane	-		-	-	-		-	-	NO FURTHER ACTION
1,2,4-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
1,3,5-Trimethylbenzene	-		-	-	-		-	-	NO FURTHER ACTION
o-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
p/m-Xylene	-		-	-	-		-	-	NO FURTHER ACTION
Heptane	-		-	-	-		-	-	NO FURTHER ACTION
n-Hexane	-		-	-	-		-	-	NO FURTHER ACTION
Toluene	-		-	-	-		-	-	NO FURTHER ACTION

All concentrations in ug/m;
ND = non detect

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-03_20190411				IA-03_20190411				IA-05_20190411				IA-06_20190411				IA-07_20190411				IA-08_20190411				IA-1			
LAB ID:		L1915031-01				L1915031-01 R1				L1915031-02				L1915031-03				L1915031-04				L1915031-05				L2410883-06			
COLLECTION DATE:		4/11/2019				4/11/2019				4/11/2019				4/11/2019				4/11/2019				4/11/2019				2/27/2024			
SAMPLE DEPTH:																													
SAMPLE MATRIX:		AIR				AIR				AIR				AIR				AIR				AIR				AIR			
ANALYTE	CAS	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 IN AIR (UGM3)																													
Dichlorodifluoromethane	75-71-8	1.79		0.989	-	-		-	-	2.2		0.989	-	0.989		0.989	-	1.34		0.989	-	1.66		0.989	-	2.57		0.989	-
Chloromethane	74-87-3	1.37		0.413	-	-		-	-	1.47		0.413	-	1.33		0.413	-	1.49		0.413	-	1.48		0.413	-	1.55		0.413	-
1,3-Butadiene	106-99-0	ND		0.442	-	-		-	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-
Chloroethane	75-00-3	ND		0.528	-	-		-	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-
Ethanol	64-17-5	1030	E	9.42	-	1090		18.8	-	920		9.42	-	159		9.42	-	155		9.42	-	124		9.42	-	1080	E	9.42	-
Acetone	67-64-1	94.5		2.38	-	-		-	-	97.2		2.38	-	159		2.38	-	98.8		2.38	-	110		2.38	-	110		2.38	-
Trichlorofluoromethane	75-69-4	2.2		1.12	-	-		-	-	2.13		1.12	-	2.59		1.12	-	1.8		1.12	-	3.14		1.12	-	3.58		1.12	-
Isopropanol	67-63-0	102		1.23	-	-		-	-	102		1.23	-	80.1		1.23	-	152		1.23	-	62.7		1.23	-	47.4		1.23	-
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	-		-	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

NYSDEC ID: C-336087

SAMPLE ID:		IA-1				IA-1-20230112				IA-1-20230112				IA-10_190604				IA-1_170329				IA-1_171214				IA-1_20250327					
LAB ID:		L2410883-06 R1				L2302299-08				L2302299-08 R1				L1923688-04				L1709672-05				L1746327-07				L2519127-06					
COLLECTION DATE:		2/27/2024				1/12/2023				1/12/2023				6/4/2019				3/29/2017				12/14/2017				3/27/2025					
SAMPLE DEPTH:																															
SAMPLE MATRIX:		AIR				AIR				AIR				AIR				AIR				AIR									
ANALYTE	CAS	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 IN AIR (UGM3)																															
Dichlorodifluoromethane	75-71-8	-	-	-	-	2.46	0.989	-	-	-	-	-	-	1.67	0.989	-	-	1.39	0.989	-	-	1.72	0.989	-	-	2.47	0.989	0.374			
Chloromethane	74-87-3	-	-	-	-	1.22	0.413	-	-	-	-	-	-	1.54	0.413	-	-	1.62	0.413	-	-	1.15	0.413	-	-	1.01	0.413	0.119			
1,3-Butadiene	106-99-0	-	-	-	-	ND	0.442	-	-	-	-	-	-	ND	0.442	-	-	ND	0.442	-	-	ND	0.442	-	-	0.414	J	0.442	0.137		
Chloroethane	75-00-3	-	-	-	-	ND	0.528	-	-	-	-	-	-	0.53	0.528	-	-	ND	0.528	-	-	ND	0.528	-	-	ND	0.528	0.171			
Ethanol	64-17-5	1250		47.1	-	1940	E	9.42	-	2200		47.1	-	641	9.42	-	-	326	9.42	-	-	163	9.42	-	-	1490	E	9.42	3.28		
Acetone	67-64-1	-	-	-	-	47	2.38	-	-	-	-	-	-	60.6	2.38	-	-	57.5	2.38	-	-	31.8	2.38	-	-	34.2	2.38	1.22			
Trichlorofluoromethane	75-69-4	-	-	-	-	2.43	1.12	-	-	-	-	-	-	2.01	1.12	-	-	2.78	1.12	-	-	2.29	1.12	-	-	5.37	1.12	0.442			
Isopropanol	67-63-0	-	-	-	-	17	1.23	-	-	-	-	-	-	104	1.23	-	-	54.3	1.23	-	-	58	1.23	-	-	146	2.46	0.669			
Tertiary butyl Alcohol	75-65-0	-	-	-	-	3.82	1.52	-	-	-	-	-	-	ND	1.52	-	-	ND	1.52	-	-	ND	1.52	-	-	3.46	1.52	0.4			
Methylene chloride	75-09-2	-	-	-	-	ND	1.74	-	-	-	-	-	-	ND	1.74	-	-	ND	1.74	-	-	ND	1.74	-	-	0.723	J	1.74	0.434		
Carbon disulfide	75-15-0	-	-	-	-	ND	0.623	-	-	-	-	-	-	ND	0.623	-	-	ND	0.623	-	-	ND	0.623	-	-	ND	0.623	0.145			
Freon-113	76-13-1	-	-	-	-	ND	1.53	-	-	-	-	-	-	ND	1.53	-	-	ND	1.53	-	-	ND	1.53	-	-	0.674	J	1.53	0.388		
2-Butanone	78-93-3	-	-	-	-	3.01	1.47	-	-	-	-	-	-	5.87	1.47	-	-	3.48	1.47	-	-	2.09	1.47	-	-	2.29	1.47	0.292			
cis-1,2-Dichloroethene	156-59-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethyl Acetate	141-78-6	-	-	-	-	3.64	1.8	-	-	-	-	-	-	6.45	1.8	-	-	11.6	1.8	-	-	2.41	1.8	-	-	4.11	1.8	1.07			
Chloroform	67-66-3	-	-	-	-	ND	0.977	-	-	-	-	-	-	ND	0.977	-	-	ND	0.977	-	-	ND	0.977	-	-	ND	0.977	0.27			
Tetrahydrofuran	109-99-9	-	-	-	-	ND	1.47	-	-	-	-	-	-	1.83	1.47	-	-	ND	1.47	-	-	ND	1.47	-	-	1.29	J	1.47	0.345		
1,2-Dichloroethane	107-06-2	-	-	-	-	ND	0.809	-	-	-	-	-	-	ND	0.809	-	-	ND	0.809	-	-	ND	0.809	-	-	ND	0.809	0.319			
n-Hexane	110-54-3	-	-	-	-	1.64	0.705	-	-	-	-	-	-	0.885	0.705	-	-	1.23	0.705	-	-	ND	0.705	-	-	2.58	0.705	0.262			
1,1,1-Trichloroethane	71-55-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Benzene	71-43-2	-	-	-	-	1.02	0.639	-	-	-	-	-	-	ND	0.639	-	-	0.703	0.639	-	-	ND	0.639	-	-	0.364	J	0.639	0.205		
Carbon tetrachloride	56-23-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cyclohexane	110-82-7	-	-	-	-	ND	0.688	-	-	-	-	-	-	ND	0.688	-	-	ND	0.688	-	-	ND	0.688	-	-	ND	0.688	0.251			
1,2-Dichloropropane	78-87-5	-	-	-	-	ND	0.924	-	-	-	-	-	-	ND	0.924	-	-	ND	0.924	-	-	ND	0.924	-	-	ND	0.924	0.292			
Xylenes, Total	1330-20-7	-	-	-	-	-	-	-	-	-	-	-	-	8.51	0.869	-	-	-	-	-	-	-	-	-	-	8.6	0.869	0.27			
1,4-Dioxane	123-91-1	-	-	-	-	ND	0.721	-	-	-	-	-	-	ND	0.721	-	-	ND	0.721	-	-	ND	0.721	-	-	ND	0.721	0.194			
Trichloroethene	79-01-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2,2,4-Trimethylpentane	540-84-1	-	-	-	-	ND	0.934	-	-	-	-	-	-	ND	0.934	-	-	ND	0.934	-	-	ND	0.934	-	-	ND	0.934	0.323			
Heptane	142-82-5	-	-	-	-	1.2	0.82	-	-	-	-	-	-	1.76	0.82	-	-	2.3	0.82	-	-	ND	0.82	-	-	0.361	J	0.82	0.339		
4-Methyl-2-pentanone	108-10-1	-	-	-	-	ND	2.05	-	-	-	-	-	-	ND	2.05	-	-	ND	2.05	-	-	ND	2.05	-	-	ND	2.05	0.779			
Toluene	108-88-3	-	-	-	-	6.86	0.754	-	-	-	-	-	-	10.1	0.754	-	-	7.76	0.754	-	-	3	0.754	-	-	4.45	0.754	0.327			
2-Hexanone	591-78-6	-	-	-	-	ND	0.82	-	-	-	-	-	-	ND	0.82	-	-	ND	0.82	-	-	ND	0.82	-	-	ND	0.82	0.374			
Tetrachloroethene	127-18-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chlorobenzene	108-90-7	-	-	-	-	ND	0.921	-	-	-	-	-	-	ND	0.921	-	-	ND	0.921	-	-	ND	0.921	-	-	ND	0.921	0.238			
Ethylbenzene	100-41-4	-	-	-	-	ND	0.869	-	-	-	-	-	-	1.57	0.869	-	-	1.33	0.869	-	-	1.25	0.869	-	-	1.29	0.869	0.25			
p/m-Xylene	179601-23-1	-	-	-	-	ND	1.74	-	-	-	-	-	-	5.95	1.74	-	-	5	1.74	-	-	4.08	1.74	-	-	6.17	1.74	0.543			
Styrene	100-42-5	-	-	-	-	ND	0.852	-	-	-	-	-	-	2.87	0.852	-	-	ND	0.852	-	-	1.78	0.852	-	-	0.877	0.852	0.254			
o-Xylene	95-47-6	-	-	-	-	ND	0.869	-	-	-	-	-	-	2.58	0.869	-	-	2.22	0.869	-	-	1.71	0.869	-	-	2.43	0.869	0.27			
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	ND	0.983	-	-	-	-	-	-	ND	0.983	-	-	ND	0.983	-	-	ND	0.983	-	-	ND	0.983	0.284			
1,2-Dichlorobenzene	95-50-1	-	-	-	-	ND	1.2	-	-	-	-	-	-	ND	1.2	-	-	ND	1.2	-	-	ND	1.2	-	-	ND	1.2	0.372			
Naphthalene	91-20-3	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	ND	0.996	0.309			
VOLATILE ORGANICS IN AIR BY SIM																															
1,2-Dichloroethene (total)	540-59-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dichlorodifluoromethane	75-71-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chloromethane	74-87-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Ethanol	64-17-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acetone	67-64-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Trichlorofluoromethane	75-69-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Isopropanol	67-63-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Methylene chloride	75-09-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Freon-113	76-13-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2-Butanone	78-93-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
cis-1,2-Dichloroethene	156-59-2	-	-	-	-	ND	0.079	-	-	-	-	-	-	ND	0.079	-	-	ND	0.079	-	-	ND	0.079	-	-	ND	0.079	0.04			
Ethyl Acetate	141-78-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chloroform	67-66-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Tetrahydrofuran	109-99-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
n-Hexane	110-54-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1,1-Trichloroethane	71-55-6	-	-	-	-	ND	0.109	-	-	-	-	-	-	ND	0.109	-	-	0.12	0.109	-	-	0.262	0.109	-	-	ND	0.109	0.032			
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-1_20250327				IA-2				IA-2-20230112				IA-2_170329				IA-2_171214				IA-2_190308				IA-2_20250327				
LAB ID:		L2519127-06 R1				L2410883-07				L2302299-07				L1709672-06				L1746327-08				L1909300-05				L2519127-07				
COLLECTION DATE:		3/27/2025				2/27/2024				1/12/2023				3/29/2017				12/14/2017				3/8/2019				3/27/2025				
SAMPLE DEPTH:																														
SAMPLE MATRIX:		AIR				AIR				AIR								AIR				AIR				AIR				
ANALYTE	CAS	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 IN AIR (UGM3)																														
Dichlorodifluoromethane	75-71-8	-		-	-	2.71		0.989	-	2.48		0.989	-	1.45		0.989	-	1.55		0.989	-	-		-	-	-	-	-	-	-
Chloromethane	74-87-3	-		-	-	1.31		0.413	-	1.18		0.413	-	1.73		0.413	-	1.15		0.413	-	1.17		0.413	-	-	-	-	-	-
1,3-Butadiene	106-99-0	-		-	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	-	-	-	-	-
Chloroethane	75-00-3	-		-	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	-	-	-	-	-
Ethanol	64-17-5	1500		47.1	16.4	731		9.42	-	307		9.42	-	249		9.42	-	219		9.42	-	401		9.42	-	-	-	-	-	-
Acetone	67-64-1	-		-	-	285		2.38	-	44.2		2.38	-	70.1		2.38	-	30.6		2.38	-	50.6		2.38	-	-	-	-	-	-
Trichlorofluoromethane	75-69-4	-		-	-	1.92		1.12	-	1.56		1.12	-	1.82		1.12	-	1.65		1.12	-	1.23		1.12	-	-	-	-	-	-
Isopropanol	67-63-0	-		-	-	73		1.23	-	225		1.23	-	44.2		1.23	-	68.6		1.23	-	105		1.23	-	-	-	-	-	-
Tertiary butyl Alcohol	75-65-0	-		-	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	-	-	-	-	-
Methylene chloride	75-09-2	-		-	-	1.96		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-	-	-	-	-	-
Carbon disulfide	75-15-0	-		-	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	-	-	-	-	-
Freon-113	76-13-1	-		-	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	-	-	-	-	-
2-Butanone	78-93-3	-		-	-	29.8		1.47	-	5.34		1.47	-	3.36		1.47	-	1.91		1.47	-	2.68		1.47	-	-	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
Ethyl Acetate	141-78-6	-		-	-	31.8		1.8	-	5.98		1.8	-	2.7		1.8	-	2.34		1.8	-	ND		1.8	-	-	-	-	-	-
Chloroform	67-66-3	-		-	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	-	-	-	-	-
Tetrahydrofuran	109-99-9	-		-	-	35.1		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	-	-	-	-	-
1,2-Dichloroethane	107-06-2	-		-	-	ND		0.809	-	ND		0.809	-	ND		0.809	-	ND		0.809	-	ND		0.809	-	-	-	-	-	-
n-Hexane	110-54-3	-		-	-	ND		0.705	-	1.28		0.705	-	0.895		0.705	-	ND		0.705	-	1.49		0.705	-	-	-	-	-	-
1,1,1-Trichloroethane	71-55-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
Benzene	71-43-2	-		-	-	0.668		0.639	-	0.85		0.639	-	0.661		0.639	-	ND		0.639	-	0.76		0.639	-	-	-	-	-	-
Carbon tetrachloride	56-23-5	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
Cyclohexane	110-82-7	-		-	-	ND		0.688	-	ND		0.688	-	ND		0.688	-	ND		0.688	-	23		0.688	-	-	-	-	-	-
1,2-Dichloropropane	78-87-5	-		-	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	-	-	-	-	-
Xylenes, Total	1330-20-7	-		-	-	21.6		0.869	-	-		-	-	-		-	-	-		-	-	3.72		0.869	-	-	-	-	-	-
1,4-Dioxane	123-91-1	-		-	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	-	-	-	-	-
Trichloroethene	79-01-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
2,2,4-Trimethylpentane	540-84-1	-		-	-	ND		0.934	-	ND		0.934	-	ND		0.934	-	ND		0.934	-	ND		0.934	-	-	-	-	-	-
Heptane	142-82-5	-		-	-	3.48		0.82	-	1.76		0.82	-	2.18		0.82	-	ND		0.82	-	ND		0.82	-	-	-	-	-	-
4-Methyl-2-pentanone	108-10-1	-		-	-	15.1		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	-	-	-	-	-
Toluene	108-88-3	-		-	-	7.39		0.754	-	6.97		0.754	-	6.33		0.754	-	2.4		0.754	-	2.46		0.754	-	-	-	-	-	-
2-Hexanone	591-78-6	-		-	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	-	-	-	-	-
Tetrachloroethene	127-18-4	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	-		-	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	-	-	-	-	-
Ethylbenzene	100-41-4	-		-	-	3.85		0.869	-	1.59		0.869	-	1.13		0.869	-	0.912		0.869	-	ND		0.869	-	-	-	-	-	-
p/m-Xylene	179601-23-1	-		-	-	17.2		1.74	-	4.82		1.74	-	4.3		1.74	-	2.82		1.74	-	2.64		1.74	-	-	-	-	-	-
Styrene	100-42-5	-		-	-	ND		0.852	-	2.5		0.852	-	ND		0.852	-	0.971		0.852	-	ND		0.852	-	-	-	-	-	-
o-Xylene	95-47-6	-		-	-	4.47		0.869	-	2.15		0.869	-	1.99		0.869	-	1.26		0.869	-	1.08		0.869	-	-	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	-		-	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	-		-	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	2.18		1.2	-	-	-	-	-	-
Naphthalene	91-20-3	-		-	-	ND		1.05	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	
VOLATILE ORGANICS IN AIR BY SIM																														
1,2-Dichloroethene (total)	540-59-0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	ND		0.079	-	-	-	-	-	-
Dichlorodifluoromethane	75-71-8	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.57		0.989	-	2.3	J	3.26	0.816	
Chloromethane	74-87-3	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	1.05	J	1.36	0.514		
Ethanol	64-17-5	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	109	-	31.1	8.4		
Acetone	67-64-1	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	49.9	-	7.84	4.23		
Trichlorofluoromethane	75-69-4	-		-	-	-																								

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-3				IA-3				IA-3-20230112				IA-3_170329				IA-3_171214				IA-3_190308				IA-3_190308			
LAB ID:		L2410883-08				L2410883-08 R1				L2302299-06				L1709672-07				L1746327-09				L1909300-06				L1909300-06 R1			
COLLECTION DATE:		2/27/2024				2/27/2024				1/12/2023				3/29/2017				12/14/2017				3/8/2019				3/8/2019			
SAMPLE DEPTH:																													
SAMPLE MATRIX:		AIR				AIR				AIR								AIR				AIR				AIR			
ANALYTE	CAS	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 IN AIR (UGM3)																													
Dichlorodifluoromethane	75-71-8	2.62		0.989	-	-	-	-	-	2.5		0.989	-	1.76		0.989	-	1.7		0.989	-	-	-	-	-	-	-	-	-
Chloromethane	74-87-3	1.44		0.413	-	-	-	-	-	1.21		0.413	-	1.52		0.413	-	1.12		0.413	-	1.37		0.413	-	-	-	-	-
1,3-Butadiene	106-99-0	ND		0.442	-	-	-	-	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	-	-	-	-
Chloroethane	75-00-3	0.855		0.528	-	-	-	-	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	-	-	-	-
Ethanol	64-17-5	1410	E	9.42	-	1810		94.2	-	652		9.42	-	341		9.42	-	507		9.42	-	948	E	9.42	-	916		13.5	-
Acetone	67-64-1	117		2.38	-	-	-	-	-	42.8		2.38	-	112		2.38	-	57.7		2.38	-	133		2.38	-	-	-	-	-
Trichlorofluoromethane	75-69-4	2.43		1.12	-	-	-	-	-	1.84		1.12	-	2.17		1.12	-	1.89		1.12	-	1.62		1.12	-	-	-	-	-
Isopropanol	67-63-0	43.8		1.23	-	-	-	-	-	60.7		1.23	-	280		1.23	-	189		1.23	-	193		1.23	-	-	-	-	-
Tertiary butyl Alcohol	75-65-0	3.76		1.52	-	-	-	-	-	ND		1.52	-	3.73		1.52	-	ND		1.52	-	ND		1.52	-	-	-	-	-
Methylene chloride	75-09-2	ND		1.74	-	-	-	-	-	ND		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-	-	-	-	-
Carbon disulfide	75-15-0	ND		0.623	-	-	-	-	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	-	-	-	-
Freon-113	76-13-1	ND		1.53	-	-	-	-	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	-	-	-	-
2-Butanone	78-93-3	6.9		1.47	-	-	-	-	-	4.63		1.47	-	19.5		1.47	-	4.36		1.47	-	7.85		1.47	-	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Ethyl Acetate	141-78-6	13.3		1.8	-	-	-	-	-	6.56		1.8	-	5.66		1.8	-	4.11		1.8	-	7.32		1.8	-	-	-	-	-
Chloroform	67-66-3	ND		0.977	-	-	-	-	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	-	-	-	-
Tetrahydrofuran	109-99-9	ND		1.47	-	-	-	-	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	-	-	-	-
1,2-Dichloroethane	107-06-2	ND		0.809	-	-	-	-	-	ND		0.809	-	ND		0.809	-	ND		0.809	-	ND		0.809	-	-	-	-	-
n-Hexane	110-54-3	ND		0.705	-	-	-	-	-	1.39		0.705	-	1.74		0.705	-	ND		0.705	-	2.48		0.705	-	-	-	-	-
1,1,1-Trichloroethane	71-55-6	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Benzene	71-43-2	0.703		0.639	-	-	-	-	-	0.914		0.639	-	0.968		0.639	-	ND		0.639	-	0.732		0.639	-	-	-	-	-
Carbon tetrachloride	56-23-5	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Cyclohexane	110-82-7	ND		0.688	-	-	-	-	-	ND		0.688	-	0.902		0.688	-	ND		0.688	-	58.9		0.688	-	-	-	-	-
1,2-Dichloropropane	78-87-5	ND		0.924	-	-	-	-	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	-	-	-	-
Xylenes, Total	1330-20-7	6.04		0.869	-	-	-	-	-	-		-	-	-		-	-	-		-	-	11.8		0.869	-	-	-	-	
1,4-Dioxane	123-91-1	ND		0.721	-	-	-	-	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	-	-	-	-
Trichloroethene	79-01-6	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	-	-	-	-	ND		0.934	-	1.13		0.934	-	ND		0.934	-	ND		0.934	-	-	-	-	-
Heptane	142-82-5	1.99		0.82	-	-	-	-	-	1.67		0.82	-	2.93		0.82	-	ND		0.82	-	2.26		0.82	-	-	-	-	-
4-Methyl-2-pentanone	108-10-1	3.22		2.05	-	-	-	-	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	-	-	-	-
Toluene	108-88-3	5.2		0.754	-	-	-	-	-	7.91		0.754	-	46.4		0.754	-	9.72		0.754	-	9.35		0.754	-	-	-	-	-
2-Hexanone	591-78-6	ND		0.82	-	-	-	-	-	ND		0.82	-	1.61		0.82	-	ND		0.82	-	ND		0.82	-	-	-	-	-
Tetrachloroethene	127-18-4	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	ND		0.921	-	-	-	-	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	-	-	-	-
Ethylbenzene	100-41-4	1.12		0.869	-	-	-	-	-	2.86		0.869	-	2.2		0.869	-	2.11		0.869	-	2.3		0.869	-	-	-	-	-
p/m-Xylene	179601-23-1	4.39		1.74	-	-	-	-	-	8.6		1.74	-	7.6		1.74	-	7.12		1.74	-	8.64		1.74	-	-	-	-	-
Styrene	100-42-5	1.1		0.852	-	-	-	-	-	4.43		0.852	-	6.43		0.852	-	2.26		0.852	-	2.18		0.852	-	-	-	-	-
o-Xylene	95-47-6	1.64		0.869	-	-	-	-	-	3.9		0.869	-	3.49		0.869	-	3.51		0.869	-	3.16		0.869	-	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	-	-	-	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	1.47		0.983	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	-	-	-	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	-	-	-	-
Naphthalene	91-20-3	ND		1.05	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
VOLATILE ORGANICS IN AIR BY SIM																													
1,2-Dichloroethene (total)	540-59-0	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	1.24		0.079	-	-	-	-	
Dichlorodifluoromethane	75-71-8	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	1.5		0.989	-	-	-	-	
Chloromethane	74-87-3	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Ethanol	64-17-5	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Acetone	67-64-1	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	75-69-4	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	
Isopropanol	67-63-0	-		-	-	-	-	-	-	-		-	-	-															

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-3_190604					IA-3_20250327					IA-4					IA-4-20230112					IA-4-20230112					IA-4_171214									
LAB ID:		L1923688-02					L2519127-08					L2410883-09					L2410883-09 R1					L2302299-09					L2302299-09 R1					L1746327-10				
COLLECTION DATE:		6/4/2019					3/27/2025					2/27/2024					2/27/2024					1/12/2023					1/12/2023					12/14/2017				
SAMPLE DEPTH:																																				
SAMPLE MATRIX:		AIR					AIR					AIR					AIR					AIR					AIR					AIR				
ANALYTE	CAS	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	Conc	Q	RL	MDL			
VOLATILE ORGANICS IN AIR (UGM3)																																				
Dichlorodifluoromethane	75-71-8	1.44		0.989	-	2.25		0.989	0.374	2.66		0.989	-	-		-	-	2.4		0.989	-	-		-	-	-	2.53		0.989	-	-		-			
Chloromethane	74-87-3	1.52		0.413	-	1.04		0.413	0.119	1.48		0.413	-	-		-	-	1.2		0.413	-	-		-	-	-	1.14		0.413	-	-		-			
1,3-Butadiene	106-99-0	ND		0.442	-	ND		0.442	0.137	ND		0.442	-	-		-	-	ND		0.442	-	-		-	-	-	ND		0.442	-	-		-			
Chloroethane	75-00-3	ND		0.528	-	1.16		0.528	0.171	ND		0.528	-	-		-	-	ND		0.528	-	-		-	-	-	ND		0.528	-	-		-			
Ethanol	64-17-5	684		9.42	-	422		9.42	3.28	1400	E	9.42	-	1700		94.2	-	974	E	9.42	-	1020		18.8	-	-	899		9.42	-	-		-			
Acetone	67-64-1	64.1		2.38	-	100		2.38	1.22	64.9		2.38	-	-		-	-	38.5		2.38	-	-		-	-	-	41.3		2.38	-	-		-			
Trichlorofluoromethane	75-69-4	2.03		1.12	-	2.18		1.12	0.442	2.43		1.12	-	-		-	-	2.25		1.12	-	-		-	-	-	1.78		1.12	-	-		-			
Isopropanol	67-63-0	104		1.23	-	36.4		2.46	0.669	48.2		1.23	-	-		-	-	12.7		1.23	-	-		-	-	-	87.3		1.23	-	-		-			
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	1.6		1.52	0.4	2.99		1.52	-	-		-	-	1.94		1.52	-	-		-	-	-	ND		1.52	-	-		-			
Methylene chloride	75-09-2	ND		1.74	-	0.896	J	1.74	0.434	ND		1.74	-	-		-	-	ND		1.74	-	-		-	-	-	ND		1.74	-	-		-			
Carbon disulfide	75-15-0	ND		0.623	-	ND		0.623	0.145	ND		0.623	-	-		-	-	ND		0.623	-	-		-	-	-	ND		0.623	-	-		-			
Freon-113	76-13-1	ND		1.53	-	0.606	J	1.53	0.388	ND		1.53	-	-		-	-	ND		1.53	-	-		-	-	-	ND		1.53	-	-		-			
2-Butanone	78-93-3	5.46		1.47	-	4.16		1.47	0.292	1.56		1.47	-	-		-	-	2.62		1.47	-	-		-	-	-	ND		1.47	-	-		-			
cis-1,2-Dichloroethene	156-59-2	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
Ethyl Acetate	141-78-6	7.03		1.8	-	7.96		1.8	1.07	ND		1.8	-	-		-	-	2.89		1.8	-	-		-	-	-	ND		1.8	-	-		-			
Chloroform	67-66-3	ND		0.977	-	0.352	J	0.977	0.27	ND		0.977	-	-		-	-	ND		0.977	-	-		-	-	-	ND		0.977	-	-		-			
Tetrahydrofuran	109-99-9	6.64		1.47	-	1.66		1.47	0.345	ND		1.47	-	-		-	-	ND		1.47	-	-		-	-	-	ND		1.47	-	-		-			
1,2-Dichloroethane	107-06-2	ND		0.809	-	ND		0.809	0.319	ND		0.809	-	-		-	-	ND		0.809	-	-		-	-	-	ND		0.809	-	-		-			
n-Hexane	110-54-3	ND		0.705	-	0.765		0.705	0.262	ND		0.705	-	-		-	-	1.98		0.705	-	-		-	-	-	ND		0.705	-	-		-			
1,1,1-Trichloroethane	71-55-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
Benzene	71-43-2	ND		0.639	-	0.345	J	0.639	0.205	0.655		0.639	-	-		-	-	1.09		0.639	-	-		-	-	-	0.687		0.639	-	-		-			
Carbon tetrachloride	56-23-5	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
Cyclohexane	110-82-7	ND		0.688	-	ND		0.688	0.251	ND		0.688	-	-		-	-	ND		0.688	-	-		-	-	-	ND		0.688	-	-		-			
1,2-Dichloropropane	78-87-5	ND		0.924	-	ND		0.924	0.292	ND		0.924	-	-		-	-	ND		0.924	-	-		-	-	-	ND		0.924	-	-		-			
Xylenes, Total	1330-20-7	8.08		0.869	-	11.9		0.869	0.27	ND		0.869	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
1,4-Dioxane	123-91-1	ND		0.721	-	ND		0.721	0.194	ND		0.721	-	-		-	-	ND		0.721	-	-		-	-	-	ND		0.721	-	-		-			
Trichloroethene	79-01-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	ND		0.934	0.323	ND		0.934	-	-		-	-	1.13		0.934	-	-		-	-	-	ND		0.934	-	-		-			
Heptane	142-82-5	1.51		0.82	-	1.24		0.82	0.339	1.05		0.82	-	-		-	-	2.75		0.82	-	-		-	-	-	ND		0.82	-	-		-			
4-Methyl-2-pentanone	108-10-1	ND		2.05	-	ND		2.05	0.779	ND		2.05	-	-		-	-	ND		2.05	-	-		-	-	-	ND		2.05	-	-		-			
Toluene	108-88-3	9.5		0.754	-	3.51		0.754	0.327	3.27		0.754	-	-		-	-	5.99		0.754	-	-		-	-	-	1.88		0.754	-	-		-			
2-Hexanone	591-78-6	ND		0.82	-	ND		0.82	0.374	ND		0.82	-	-		-	-	ND		0.82	-	-		-	-	-	ND		0.82	-	-		-			
Tetrachloroethene	127-18-4	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			
Chlorobenzene	108-90-7	ND		0.921	-	ND		0.921	0.238	ND		0.921	-	-		-	-	ND		0.921	-	-		-	-	-	ND		0.921	-	-		-			
Ethylbenzene	100-41-4	1.52		0.869	-	2		0.869	0.25	ND		0.869	-	-		-	-	ND		0.869	-	-		-	-	-	ND		0.869	-	-		-			
p/m-Xylene	179601-23-1	5.6		1.74	-	8.3		1.74	0.543	ND		1.74	-	-		-	-	ND		1.74	-	-		-	-	-	2.07		1.74	-	-		-			
Styrene	100-42-5	2.72		0.852	-	2.18		0.852	0.254	ND		0.852	-	-		-	-	ND		0.852	-	-		-	-	-	ND		0.852	-	-		-			
o-Xylene	95-47-6	2.49		0.869	-	3.58		0.869	0.27	ND		0.869	-	-		-	-	ND		0.869	-	-		-	-	-	ND		0.869	-	-		-			
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	ND		0.983	0.284	ND		0.983	-	-		-	-	ND		0.983	-	-		-	-	-	ND		0.983	-	-		-			
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	ND		1.2	0.372	ND		1.2	-	-		-	-	ND		1.2	-	-		-	-	-	ND		1.2	-	-		-			
Naphthalene	91-20-3	-		-	-	ND		0.996	0.309	ND		1.05	-	-		-	-	-		-	-	-		-	-	-	-		-	-	-	-	-			

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-4_190308				IA-4_20250327				IA-5_20250327				IA-5_20250327				IA-6				IA-6				IA-6_20250327				
LAB ID:		L1909300-07				L2519127-09				L2410883-10				L2519127-10				L2410883-11				L2410883-11 R1				L2519127-11				
COLLECTION DATE:		3/8/2019				3/27/2025				2/27/2024				3/27/2025				2/27/2024				2/27/2024				3/27/2025				
SAMPLE DEPTH:																														
SAMPLE MATRIX:		AIR				AIR				AIR				AIR				AIR				AIR				AIR				
ANALYTE	CAS	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 IN AIR (UGM3)																														
Dichlorodifluoromethane	75-71-8	-		-	-	2.45		0.989	0.374	2.68		0.989	-	2.41		0.989	0.374	2.75		0.989	-	-		-	-	-	-	-	-	-
Chloromethane	74-87-3	1.18		0.413	-	0.985		0.413	0.119	1.34		0.413	-	0.935		0.413	0.119	1.25		0.413	-	-		-	-	-	-	-	-	-
1,3-Butadiene	106-99-0	ND		0.442	-	ND		0.442	0.137	ND		0.442	-	ND		0.442	0.137	ND		0.442	-	-		-	-	-	-	-	-	-
Chloroethane	75-00-3	ND		0.528	-	1.06		0.528	0.171	ND		0.528	-	ND		0.528	0.171	ND		0.528	-	-		-	-	-	-	-	-	-
Ethanol	64-17-5	884		9.42	-	467		9.42	3.28	733		9.42	-	132		9.42	3.28	1220	E	9.42	-	1800		47.1	-	-	-	-	-	-
Acetone	67-64-1	26.4		2.38	-	26.8		2.38	1.22	225		2.38	-	56.8		2.38	1.22	237		2.38	-	-		-	-	-	-	-	-	-
Trichlorofluoromethane	75-69-4	1.2		1.12	-	2.78		1.12	0.442	2.16		1.12	-	1.92		1.12	0.442	1.77		1.12	-	-		-	-	-	-	-	-	-
Isopropanol	67-63-0	85.3		1.23	-	91.2		2.46	0.669	60.5		1.23	-	114		2.46	0.669	74.5		1.23	-	-		-	-	-	-	-	-	-
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	1.1	J	1.52	0.4	ND		1.52	-	1.15	J	1.52	0.4	ND		1.52	-	-		-	-	-	-	-	-	-
Methylene chloride	75-09-2	ND		1.74	-	0.486	J	1.74	0.434	6.91		1.74	-	0.914	J	1.74	0.434	5.28		1.74	-	-		-	-	-	-	-	-	-
Carbon disulfide	75-15-0	ND		0.623	-	ND		0.623	0.145	ND		0.623	-	ND		0.623	0.145	ND		0.623	-	-		-	-	-	-	-	-	-
Freon-113	76-13-1	ND		1.53	-	0.651	J	1.53	0.388	ND		1.53	-	0.728	J	1.53	0.388	ND		1.53	-	-		-	-	-	-	-	-	-
2-Butanone	78-93-3	ND		1.47	-	1.18	J	1.47	0.292	10		1.47	-	4.01		1.47	0.292	4.31		1.47	-	-		-	-	-	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	141-78-6	ND		1.8	-	4.83		1.8	1.07	39.6		1.8	-	5.3		1.8	1.07	90.1		1.8	-	-		-	-	-	-	-	-	-
Chloroform	67-66-3	ND		0.977	-	ND		0.977	0.27	ND		0.977	-	ND		0.977	0.27	ND		0.977	-	-		-	-	-	-	-	-	-
Tetrahydrofuran	109-99-9	ND		1.47	-	0.504	J	1.47	0.345	ND		1.47	-	2.32		1.47	0.345	ND		1.47	-	-		-	-	-	-	-	-	-
1,2-Dichloroethane	107-06-2	ND		0.809	-	ND		0.809	0.319	ND		0.809	-	ND		0.809	0.319	ND		0.809	-	-		-	-	-	-	-	-	-
n-Hexane	110-54-3	0.856		0.705	-	5.29		0.705	0.262	ND		0.705	-	14.1		0.705	0.262	ND		0.705	-	-		-	-	-	-	-	-	-
1,1,1-Trichloroethane	71-55-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	0.674		0.639	-	0.303	J	0.639	0.205	0.696		0.639	-	0.31	J	0.639	0.205	ND		0.639	-	-		-	-	-	-	-	-	-
Carbon tetrachloride	56-23-5	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	110-82-7	3.48		0.688	-	ND		0.688	0.251	ND		0.688	-	ND		0.688	0.251	ND		0.688	-	-		-	-	-	-	-	-	-
1,2-Dichloropropane	78-87-5	ND		0.924	-	ND		0.924	0.292	ND		0.924	-	ND		0.924	0.292	ND		0.924	-	-		-	-	-	-	-	-	-
Xylenes, Total	1330-20-7	ND		0.869	-	3.01		0.869	0.27	14.2		0.869	-	7.25		0.869	0.27	19.5		0.869	-	-		-	-	-	-	-	-	-
1,4-Dioxane	123-91-1	ND		0.721	-	ND		0.721	0.194	ND		0.721	-	ND		0.721	0.194	ND		0.721	-	-		-	-	-	-	-	-	-
Trichloroethene	79-01-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	ND		0.934	0.323	ND		0.934	-	ND		0.934	0.323	ND		0.934	-	-		-	-	-	-	-	-	-
Heptane	142-82-5	1.52		0.82	-	0.369	J	0.82	0.339	4.1		0.82	-	ND		0.82	0.339	9.59		0.82	-	-		-	-	-	-	-	-	-
4-Methyl-2-pentanone	108-10-1	ND		2.05	-	ND		2.05	0.779	17.5		2.05	-	ND		2.05	0.779	42.6		2.05	-	-		-	-	-	-	-	-	-
Toluene	108-88-3	2.15		0.754	-	3.26		0.754	0.327	8.4		0.754	-	4.18		0.754	0.327	15.7		0.754	-	-		-	-	-	-	-	-	-
2-Hexanone	591-78-6	ND		0.82	-	ND		0.82	0.374	ND		0.82	-	ND		0.82	0.374	ND		0.82	-	-		-	-	-	-	-	-	-
Tetrachloroethene	127-18-4	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	ND		0.921	-	ND		0.921	0.238	ND		0.921	-	ND		0.921	0.238	ND		0.921	-	-		-	-	-	-	-	-	-
Ethylbenzene	100-41-4	ND		0.869	-	0.504	J	0.869	0.25	2.51		0.869	-	1.13		0.869	0.25	3.41		0.869	-	-		-	-	-	-	-	-	-
p/m-Xylene	179601-23-1	ND		1.74	-	2.12		1.74	0.543	11.1		1.74	-	5.08		1.74	0.543	15.6		1.74	-	-		-	-	-	-	-	-	-
Styrene	100-42-5	ND		0.852	-	0.387	J	0.852	0.254	0.869		0.852	-	1.24		0.852	0.254	ND		0.852	-	-		-	-	-	-	-	-	-
o-Xylene	95-47-6	ND		0.869	-	0.886		0.869	0.27	3.05		0.869	-	2.19		0.869	0.27	3.91		0.869	-	-		-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	ND		0.983	0.284	ND		0.983	-	0.359	J	0.983	0.284	ND		0.983	-	-		-	-	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	ND		1.2	0.372	ND		1.2	-	ND		1.2	0.372	ND		1.2	-	-		-	-	-	-	-	-	-
Naphthalene	91-20-3	-		-	-	ND		0.996	0.309	ND		1.05	-	ND		0.996	0.309	ND		1.05	-	-		-	-	-	-	-	-	-
VOLATILE ORGANICS IN AIR BY SIM																														
1,2-Dichloroethene (total)	540-59-0	ND		0.079	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	75-71-8	1.47		0.989	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	2.3	J	4.44	1.11	
Chloromethane	74-87-3	-		-	-	-		-	-	-		-	-	-																

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		IA-7				IA-7_20250327				IA-9_190604				OA-1				OA-1-20230112				OA-1_170329				OA-1_171214			
LAB ID:		L2410883-12				L2519127-12				L1923688-03				L2410883-13				L2302299-10				L1709672-08				L1746327-11			
COLLECTION DATE:		2/27/2024				3/27/2025				6/4/2019				2/27/2024				1/12/2023				3/29/2017				12/14/2017			
SAMPLE DEPTH:																													
SAMPLE MATRIX:		AIR				AIR				AIR				AIR				AIR				AIR							
ANALYTE	CAS	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 IN AIR (UGM3)																													
Dichlorodifluoromethane	75-71-8	2.92		0.989	-	-	-	-	-	1.52		0.989	-	2.49		0.989	-	2.41		0.989	-	1.6		0.989	-	1.53		0.989	-
Chloromethane	74-87-3	1.34		0.413	-	-	-	-	-	1.41		0.413	-	1.25		0.413	-	0.966		0.413	-	1.14		0.413	-	1.03		0.413	-
1,3-Butadiene	106-99-0	ND		0.442	-	-	-	-	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	-
Chloroethane	75-00-3	ND		0.528	-	-	-	-	-	0.554		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	-
Ethanol	64-17-5	571		9.42	-	-	-	-	-	678		9.42	-	ND		9.42	-	ND		9.42	-	ND		9.42	-	ND		9.42	-
Acetone	67-64-1	138		2.38	-	-	-	-	-	66		2.38	-	6.2		2.38	-	2.97		2.38	-	ND		2.38	-	3.87		2.38	-
Trichlorofluoromethane	75-69-4	1.75		1.12	-	-	-	-	-	2.02		1.12	-	1.46		1.12	-	ND		1.12	-	1.23		1.12	-	1.66		1.12	-
Isopropanol	67-63-0	87		1.23	-	-	-	-	-	105		1.23	-	ND		1.23	-	ND		1.23	-	ND		1.23	-	ND		1.23	-
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	-	-	-	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	-
Methylene chloride	75-09-2	ND		1.74	-	-	-	-	-	ND		1.74	-	7.78		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-
Carbon disulfide	75-15-0	ND		0.623	-	-	-	-	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	-
Freon-113	76-13-1	ND		1.53	-	-	-	-	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	ND		1.53	-	ND		1.53	-
2-Butanone	78-93-3	3.19		1.47	-	-	-	-	-	5.9		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-
cis-1,2-Dichloroethene	156-59-2	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Ethyl Acetate	141-78-6	21.6		1.8	-	-	-	-	-	7.32		1.8	-	ND		1.8	-	ND		1.8	-	ND		1.8	-	ND		1.8	-
Chloroform	67-66-3	ND		0.977	-	-	-	-	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	-
Tetrahydrofuran	109-99-9	ND		1.47	-	-	-	-	-	2.74		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-	ND		1.47	-
1,2-Dichloroethane	107-06-2	ND		0.809	-	-	-	-	-	ND		0.809	-	0.866		0.809	-	ND		0.809	-	ND		0.809	-	ND		0.809	-
n-Hexane	110-54-3	ND		0.705	-	-	-	-	-	0.751		0.705	-	ND		0.705	-	2.07		0.705	-	1.42		0.705	-	ND		0.705	-
1,1,1-Trichloroethane	71-55-6	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Benzene	71-43-2	ND		0.639	-	-	-	-	-	ND		0.639	-	0.658		0.639	-	1.26		0.639	-	ND		0.639	-	0.671		0.639	-
Carbon tetrachloride	56-23-5	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Cyclohexane	110-82-7	ND		0.688	-	-	-	-	-	ND		0.688	-	ND		0.688	-	ND		0.688	-	ND		0.688	-	ND		0.688	-
1,2-Dichloropropane	78-87-5	ND		0.924	-	-	-	-	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	-
Xylenes, Total	1330-20-7	10		0.869	-	-	-	-	-	8.04		0.869	-	ND		0.869	-	-		-	-	-		-	-	-		-	-
1,4-Dioxane	123-91-1	ND		0.721	-	-	-	-	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	-
Trichloroethene	79-01-6	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	-	-	-	-	ND		0.934	-	ND		0.934	-	ND		0.934	-	ND		0.934	-	ND		0.934	-
Heptane	142-82-5	2.25		0.82	-	-	-	-	-	1.56		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-
4-Methyl-2-pentanone	108-10-1	9.51		2.05	-	-	-	-	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	-
Toluene	108-88-3	5.31		0.754	-	-	-	-	-	9.95		0.754	-	ND		0.754	-	1.74		0.754	-	ND		0.754	-	ND		0.754	-
2-Hexanone	591-78-6	ND		0.82	-	-	-	-	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	-
Tetrachloroethene	127-18-4	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Chlorobenzene	108-90-7	ND		0.921	-	-	-	-	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	-
Ethylbenzene	100-41-4	1.67		0.869	-	-	-	-	-	1.52		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	-
p/m-Xylene	179601-23-1	7.99		1.74	-	-	-	-	-	5.6		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	-
Styrene	100-42-5	ND		0.852	-	-	-	-	-	2.5		0.852	-	ND		0.852	-	ND		0.852	-	ND		0.852	-	ND		0.852	-
o-Xylene	95-47-6	2.02		0.869	-	-	-	-	-	2.45		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	-
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	-	-	-	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	ND		0.983	-	ND		0.983	-
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	-	-	-	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	ND		1.2	-	ND		1.2	-
Naphthalene	91-20-3	ND		1.05	-	-	-	-	-	-		-	-	ND		1.05	-	-		-	-	-		-	-	-		-	-
VOLATILE ORGANICS IN AIR BY SIM																													
1,2-Dichloroethene (total)	540-59-0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Dichlorodifluoromethane	75-71-8	-		-	-	2.23	J	4.69	1.17	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Chloromethane	74-87-3	-		-	-	0.931	J	1.96	0.741	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Ethanol	64-17-5	-		-	-	128		44.7	12.1	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Acetone	67-64-1	-		-	-	32.3		11.3	6.08	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Trichlorofluoromethane	75-69-4	-		-	-	1.52		1.33	0.245	-		-	-	-		-	-	-		-	-	-		-	-		-	-	
Isopropanol	td																												

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		OA-1_190308				OA-1_190604				OA-1_20190411				OA-1_20250327				OA-2_170329				OA-2_171214				VI-1			
LAB ID:		L1909300-08				L1923688-05				L1915031-06				L2519127-13				L1709672-09				L1746327-12				L2410883-01			
COLLECTION DATE:		3/8/2019				6/4/2019				4/11/2019				3/27/2025				3/29/2017				12/14/2017				2/27/2024			
SAMPLE DEPTH:																													
SAMPLE MATRIX:		AIR				AIR				AIR				AIR								AIR				SOIL_VAPOR			
ANALYTE	CAS	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 IN AIR (UGM3)																													
Dichlorodifluoromethane	75-71-8	-		-	-	1.29		0.989	-	1.36		0.989	-	2.48		0.989	0.374	1.63		0.989	-	1.76		0.989	-	2.44		0.989	-
Chloromethane	74-87-3	1.02		0.413	-	1.18		0.413	-	1.14		0.413	-	0.878		0.413	0.119	1.16		0.413	-	1.07		0.413	-	ND		0.413	-
1,3-Butadiene	106-99-0	ND		0.442	-	ND		0.442	-	ND		0.442	-	ND		0.442	0.137	ND		0.442	-	ND		0.442	-	ND		0.442	-
Chloroethane	75-00-3	ND		0.528	-	ND		0.528	-	ND		0.528	-	ND		0.528	0.171	ND		0.528	-	ND		0.528	-	ND		0.528	-
Ethanol	64-17-5	10		9.42	-	12.8		9.42	-	11.3		9.42	-	ND		9.42	3.28	ND		9.42	-	ND		9.42	-	ND		9.42	-
Acetone	67-64-1	3.75		2.38	-	3.02		2.38	-	2.57		2.38	-	6.79		2.38	1.22	ND		2.38	-	3.35		2.38	-	5.11		2.38	-
Trichlorofluoromethane	75-69-4	ND		1.12	-	1.16		1.12	-	ND		1.12	-	1.52		1.12	0.442	1.23		1.12	-	1.57		1.12	-	1.3		1.12	-
Isopropanol	67-63-0	ND		1.23	-	ND		1.23	-	ND		1.23	-	2.29	J	2.46	0.669	ND		1.23	-	ND		1.23	-	1.35		1.23	-
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	ND		1.52	-	ND		1.52	-	ND		1.52	0.4	ND		1.52	-	ND		1.52	-	ND		1.52	-
Methylene chloride	75-09-2	ND		1.74	-	ND		1.74	-	ND		1.74	-	0.466	J	1.74	0.434	ND		1.74	-	ND		1.74	-	ND		1.74	-
Carbon disulfide	75-15-0	ND		0.623	-	ND		0.623	-	ND		0.623	-	ND		0.623	0.145	ND		0.623	-	ND		0.623	-	ND		0.623	-
Freon-113	76-13-1	ND		1.53	-	ND		1.53	-	ND		1.53	-	0.636	J	1.53	0.388	ND		1.53	-	ND		1.53	-	ND		1.53	-
2-Butanone	78-93-3	ND		1.47	-	ND		1.47	-	ND		1.47	-	0.363	J	1.47	0.292	ND		1.47	-	ND		1.47	-	ND		1.47	-
cis-1,2-Dichloroethene	156-59-2	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	ND		0.793	-
Ethyl Acetate	141-78-6	ND		1.8	-	ND		1.8	-	ND		1.8	-	ND		1.8	1.07	ND		1.8	-	ND		1.8	-	ND		1.8	-
Chloroform	67-66-3	ND		0.977	-	ND		0.977	-	ND		0.977	-	ND		0.977	0.27	ND		0.977	-	ND		0.977	-	4.53		0.977	-
Tetrahydrofuran	109-99-9	ND		1.47	-	ND		1.47	-	ND		1.47	-	0.419	J	1.47	0.345	ND		1.47	-	ND		1.47	-	ND		1.47	-
1,2-Dichloroethane	107-06-2	ND		0.809	-	ND		0.809	-	ND		0.809	-	ND		0.809	0.319	ND		0.809	-	ND		0.809	-	ND		0.809	-
n-Hexane	110-54-3	ND		0.705	-	ND		0.705	-	ND		0.705	-	0.557	J	0.705	0.262	0.86		0.705	-	ND		0.705	-	ND		0.705	-
1,1,1-Trichloroethane	71-55-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	8.84		1.09	-
Benzene	71-43-2	ND		0.639	-	ND		0.639	-	ND		0.639	-	0.307	J	0.639	0.205	ND		0.639	-	ND		0.639	-	ND		0.639	-
Carbon tetrachloride	56-23-5	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	3.09		1.26	-
Cyclohexane	110-82-7	ND		0.688	-	ND		0.688	-	ND		0.688	-	ND		0.688	0.251	ND		0.688	-	ND		0.688	-	ND		0.688	-
1,2-Dichloropropane	78-87-5	ND		0.924	-	ND		0.924	-	ND		0.924	-	ND		0.924	0.292	ND		0.924	-	ND		0.924	-	ND		0.924	-
Xylenes, Total	1330-20-7	ND		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	0.27	-		-	-	-		-	-	ND		0.869	-
1,4-Dioxane	123-91-1	ND		0.721	-	ND		0.721	-	ND		0.721	-	ND		0.721	0.194	ND		0.721	-	ND		0.721	-	ND		0.721	-
Trichloroethene	79-01-6	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	8.38		1.07	-
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	ND		0.934	-	ND		0.934	-	ND		0.934	0.323	ND		0.934	-	ND		0.934	-	ND		0.934	-
Heptane	142-82-5	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	0.339	ND		0.82	-	ND		0.82	-	ND		0.82	-
4-Methyl-2-pentanone	108-10-1	ND		2.05	-	ND		2.05	-	ND		2.05	-	ND		2.05	0.779	ND		2.05	-	ND		2.05	-	ND		2.05	-
Toluene	108-88-3	ND		0.754	-	ND		0.754	-	0.927		0.754	-	0.471	J	0.754	0.327	ND		0.754	-	ND		0.754	-	1.36		0.754	-
2-Hexanone	591-78-6	ND		0.82	-	ND		0.82	-	ND		0.82	-	ND		0.82	0.374	ND		0.82	-	ND		0.82	-	ND		0.82	-
Tetrachloroethene	127-18-4	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.59		1.36	-
Chlorobenzene	108-90-7	ND		0.921	-	ND		0.921	-	ND		0.921	-	ND		0.921	0.238	ND		0.921	-	ND		0.921	-	ND		0.921	-
Ethylbenzene	100-41-4	ND		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	0.25	ND		0.869	-	ND		0.869	-	ND		0.869	-
p/m-Xylene	179601-23-1	ND		1.74	-	ND		1.74	-	ND		1.74	-	ND		1.74	0.543	ND		1.74	-	ND		1.74	-	ND		1.74	-
Styrene	100-42-5	ND		0.852	-	ND		0.852	-	ND		0.852	-	ND		0.852	0.254	ND		0.852	-	ND		0.852	-	ND		0.852	-
o-Xylene	95-47-6	ND		0.869	-	ND		0.869	-	ND		0.869	-	ND		0.869	0.27	ND		0.869	-	ND		0.869	-	ND		0.869	-
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	ND		0.983	-	ND		0.983	-	ND		0.983	0.284	ND		0.983	-	ND		0.983	-	1.25		0.983	-
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	ND		1.2	-	ND		1.2	-	ND		1.2	0.372	ND		1.2	-	ND		1.2	-	ND		1.2	-
Naphthalene	91-20-3	-		-	-	-		-	-	-		-	-	ND		0.996	0.309	-		-	-	-		-	-	2.39		1.05	-
VOLATILE ORGANICS IN AIR BY SIM																													
1,2-Dichloroethene (total)	540-59-0	0.27		0.079	-	-		-	-	ND		0.079	-	-		-	-	-		-	-	-		-	-	-	-	-	-

TABLE 5: SOIL VAPOR ANALYTICAL DATA - POST REMEDIATION
USAI LIGHTING FACILITY
TOWN OF NEW WINDSOR, ORANGE COUNTY
NYSDEC ID: C336087

SAMPLE ID:		VI-1-20230112				VI-1_170329				VI-1_171214				VI-1_190308			
LAB ID:		L2302299-03				L1709672-01				L1746327-01				L1909300-01			
COLLECTION DATE:		1/12/2023				3/29/2017				12/14/2017				3/8/2019			
SAMPLE DEPTH:																	
SAMPLE MATRIX:		SOIL_VAPOR								SOIL_VAPOR				SOIL_VAPOR			
ANALYTE	CAS	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS IN AIR (UGM3)																	
Dichlorodifluoromethane	75-71-8	2.46		0.989	-	2.26		0.989	-	ND		1.74	-	-		-	-
Chloromethane	74-87-3	ND		0.413	-	1.76		0.413	-	ND		0.727	-	ND		0.413	-
1,3-Butadiene	106-99-0	ND		0.442	-	ND		0.442	-	ND		0.779	-	ND		0.442	-
Chloroethane	75-00-3	ND		0.528	-	7.05		0.528	-	ND		0.929	-	ND		0.528	-
Ethanol	64-17-5	45.6		9.42	-	ND		9.42	-	22.2		16.6	-	33.2		9.42	-
Acetone	67-64-1	8.65		2.38	-	ND		2.38	-	7.65		4.18	-	8.27		2.38	-
Trichlorofluoromethane	75-69-4	1.34		1.12	-	1.4		1.12	-	ND		1.98	-	ND		1.12	-
Isopropanol	67-63-0	31.5		1.23	-	ND		1.23	-	7.94		2.17	-	7.52		1.23	-
Tertiary butyl Alcohol	75-65-0	ND		1.52	-	ND		1.52	-	ND		2.67	-	2.15		1.52	-
Methylene chloride	75-09-2	ND		1.74	-	2.36		1.74	-	ND		3.06	-	ND		1.74	-
Carbon disulfide	75-15-0	ND		0.623	-	10.6		0.623	-	1.49		1.1	-	1.24		0.623	-
Freon-113	76-13-1	ND		1.53	-	ND		1.53	-	ND		2.7	-	ND		1.53	-
2-Butanone	78-93-3	1.51		1.47	-	ND		1.47	-	ND		2.6	-	3.54		1.47	-
cis-1,2-Dichloroethene	156-59-2	ND		0.793	-	ND		0.793	-	ND		1.4	-	8.09		0.793	-
Ethyl Acetate	141-78-6	ND		1.8	-	ND		1.8	-	ND		3.17	-	ND		1.8	-
Chloroform	67-66-3	4.84		0.977	-	20		0.977	-	21.6		1.72	-	8.79		0.977	-
Tetrahydrofuran	109-99-9	ND		1.47	-	1.85		1.47	-	ND		2.6	-	4.39		1.47	-
1,2-Dichloroethane	107-06-2	ND		0.809	-	1.01		0.809	-	ND		1.42	-	ND		0.809	-
n-Hexane	110-54-3	ND		0.705	-	1.55		0.705	-	ND		1.24	-	1.43		0.705	-
1,1,1-Trichloroethane	71-55-6	7.26		1.09	-	9.22		1.09	-	22.8		1.92	-	21.3		1.09	-
Benzene	71-43-2	ND		0.639	-	2.8		0.639	-	ND		1.12	-	ND		0.639	-
Carbon tetrachloride	56-23-5	2.86		1.26	-	4.25		1.26	-	7.8		2.21	-	5.32		1.26	-
Cyclohexane	110-82-7	ND		0.688	-	ND		0.688	-	ND		1.21	-	5.27		0.688	-
1,2-Dichloropropane	78-87-5	ND		0.924	-	4.03		0.924	-	ND		1.63	-	ND		0.924	-
Xylenes, Total	1330-20-7	-		-	-	-		-	-	-		-	-	16.3		0.869	-
1,4-Dioxane	123-91-1	ND		0.721	-	1.28		0.721	-	ND		1.27	-	ND		0.721	-
Trichloroethene	79-01-6	10.1		1.07	-	4.21		1.07	-	2.09		1.89	-	19.2		1.07	-
2,2,4-Trimethylpentane	540-84-1	ND		0.934	-	ND		0.934	-	ND		1.64	-	ND		0.934	-
Heptane	142-82-5	ND		0.82	-	ND		0.82	-	ND		1.44	-	ND		0.82	-
4-Methyl-2-pentanone	108-10-1	ND		2.05	-	ND		2.05	-	ND		3.61	-	ND		2.05	-
Toluene	108-88-3	14.3		0.754	-	7.54		0.754	-	ND		1.33	-	1.97		0.754	-
2-Hexanone	591-78-6	ND		0.82	-	ND		0.82	-	ND		1.44	-	ND		0.82	-
Tetrachloroethene	127-18-4	1.5		1.36	-	1.91		1.36	-	ND		2.39	-	4.37		1.36	-
Chlorobenzene	108-90-7	ND		0.921	-	1.62		0.921	-	ND		1.62	-	ND		0.921	-
Ethylbenzene	100-41-4	ND		0.869	-	12.3		0.869	-	ND		1.53	-	2.65		0.869	-
p/m-Xylene	179601-23-1	ND		1.74	-	3.97		1.74	-	ND		3.06	-	12.1		1.74	-
Styrene	100-42-5	ND		0.852	-	42.6		0.852	-	ND		1.5	-	ND		0.852	-
o-Xylene	95-47-6	ND		0.869	-	3.7		0.869	-	ND		1.53	-	4.22		0.869	-
1,2,4-Trimethylbenzene	95-63-6	ND		0.983	-	3.53		0.983	-	ND		1.73	-	1.39		0.983	-
1,2-Dichlorobenzene	95-50-1	ND		1.2	-	ND		1.2	-	ND		2.12	-	ND		1.2	-
Naphthalene	91-20-3	-		-	-	-		-	-	-		-	-	-		-	-
VOLATILE ORGANICS IN AIR BY SIM																	
1,2-Dichloroethene (total)	540-59-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	75-71-8	-		-	-	-		-	-	-		-	-	1.67		0.989	-
Chloromethane	74-87-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	64-17-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	67-64-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	75-69-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropanol	67-63-0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	75-09-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon-113	76-13-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	78-93-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	141-78-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	67-66-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	109-99-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane	110-54-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	71-55-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	71-43-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	56-23-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	79-01-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane	142-82-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	108-88-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	127-18-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	100-41-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	179601-23-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	100-42-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	95-47-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

C.T. MALE ASSOCIATES

Attachment D
2025 Laboratory Results



ANALYTICAL REPORT

Lab Number:	L2514557
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Jeffrey Marx
Phone:	(518) 786-7548
Project Name:	USAI LIGHTING
Project Number:	14.4337
Report Date:	03/20/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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



Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2514557-01	MW-1_250313	WATER	1126 RIVER ROAD, NEW WINDSOR, NY	03/13/25 09:30	03/13/25
L2514557-02	MW-2_250313	WATER	1126 RIVER ROAD, NEW WINDSOR, NY	03/13/25 10:42	03/13/25
L2514557-03	MW-3_250313	WATER	1126 RIVER ROAD, NEW WINDSOR, NY	03/13/25 12:40	03/13/25
L2514557-04	MW-4_250313	WATER	1126 RIVER ROAD, NEW WINDSOR, NY	03/13/25 14:05	03/13/25
L2514557-05	FD01_250313	WATER	1126 RIVER ROAD, NEW WINDSOR, NY	03/13/25 00:00	03/13/25

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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 LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

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.

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:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/20/25

ORGANICS

SEMIVOLATILES

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-01
 Client ID: MW-1_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 09:30
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 03/19/25 13:02
 Analyst: SMZ

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS****Lab ID:** L2514557-01**Date Collected:** 03/13/25 09:30**Client ID:** MW-1_250313**Date Received:** 03/13/25**Sample Location:** 1126 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	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	25		10-120
4-Terphenyl-d14	70		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-01
 Client ID: MW-1_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 09:30
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 03/18/25 01:45
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

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

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-01

Date Collected: 03/13/25 09:30

Client ID: MW-1_250313

Date Received: 03/13/25

Sample Location: 1126 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	36		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	76		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-02
 Client ID: MW-2_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 10:42
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 03/19/25 19:40
 Analyst: SLR

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.3	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	1.3	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	0.62	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-02

Date Collected: 03/13/25 10:42

Client ID: MW-2_250313

Date Received: 03/13/25

Sample Location: 1126 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	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	70		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-02
 Client ID: MW-2_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 10:42
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 03/18/25 02:36
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.3		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.61		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.02	1
Fluorene	1.9		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.10	J	ug/l	0.10	0.02	1
Pyrene	0.14		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-02

Date Collected: 03/13/25 10:42

Client ID: MW-2_250313

Date Received: 03/13/25

Sample Location: 1126 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	48		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	64		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-03
 Client ID: MW-3_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 12:40
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 03/19/25 20:05
 Analyst: SLR

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.5	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	3.4	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-03

Date Collected: 03/13/25 12:40

Client ID: MW-3_250313

Date Received: 03/13/25

Sample Location: 1126 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	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	72		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-03
 Client ID: MW-3_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 12:40
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 03/18/25 02:53
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.09	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.12		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-03

Date Collected: 03/13/25 12:40

Client ID: MW-3_250313

Date Received: 03/13/25

Sample Location: 1126 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	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	67		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-04
 Client ID: MW-4_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 14:05
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 03/19/25 20:31
 Analyst: SLR

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.1	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	3.0	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS****Lab ID:** L2514557-04**Date Collected:** 03/13/25 14:05**Client ID:** MW-4_250313**Date Received:** 03/13/25**Sample Location:** 1126 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	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	26		10-120
4-Terphenyl-d14	77		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-04
 Client ID: MW-4_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 14:05
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 03/18/25 03:10
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

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

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-04

Date Collected: 03/13/25 14:05

Client ID: MW-4_250313

Date Received: 03/13/25

Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	73		41-149

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-05
 Client ID: FD01_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 00:00
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 03/19/25 20:56
 Analyst: SLR

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-05

Date Collected: 03/13/25 00:00

Client ID: FD01_250313

Date Received: 03/13/25

Sample Location: 1126 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	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	36		10-120
4-Terphenyl-d14	78		41-149

Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2514557**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-05
 Client ID: FD01_250313
 Sample Location: 1126 RIVER ROAD, NEW WINDSOR, NY

Date Collected: 03/13/25 00:00
 Date Received: 03/13/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 03/18/25 03:27
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 03/15/25 06:30

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

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25**SAMPLE RESULTS**

Lab ID: L2514557-05

Date Collected: 03/13/25 00:00

Client ID: FD01_250313

Date Received: 03/13/25

Sample Location: 1126 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	42		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	78		41-149

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/19/25 17:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2040834-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/19/25 17:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG2040834-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	86		41-149

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/19/25 02:55
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2040835-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/19/25 02:55
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 03/15/25 06:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG2040835-1					
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	29		10-120
4-Terphenyl-d14	71		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

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: WG2040834-2 WG2040834-3								
Acenaphthene	63		63		40-140	0		40
2-Chloronaphthalene	58		57		40-140	2		40
Fluoranthene	81		78		40-140	4		40
Hexachlorobutadiene	39	Q	38	Q	40-140	3		40
Naphthalene	53		52		40-140	2		40
Benzo(a)anthracene	76		75		40-140	1		40
Benzo(a)pyrene	92		90		40-140	2		40
Benzo(b)fluoranthene	85		82		40-140	4		40
Benzo(k)fluoranthene	86		86		40-140	0		40
Chrysene	78		76		40-140	3		40
Acenaphthylene	73		70		40-140	4		40
Anthracene	78		76		40-140	3		40
Benzo(ghi)perylene	92		90		40-140	2		40
Fluorene	73		71		40-140	3		40
Phenanthrene	76		73		40-140	4		40
Dibenzo(a,h)anthracene	98		96		40-140	2		40
Indeno(1,2,3-cd)pyrene	101		100		40-140	1		40
Pyrene	80		77		40-140	4		40
2-Methylnaphthalene	54		53		40-140	2		40
Pentachlorophenol	87		87		40-140	0		40
Hexachlorobenzene	79		77		40-140	3		40
Hexachloroethane	42		42		40-140	0		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

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: WG2040834-2 WG2040834-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		57		21-120
Phenol-d6	46		45		10-120
Nitrobenzene-d5	88		85		23-120
2-Fluorobiphenyl	74		69		15-120
2,4,6-Tribromophenol	105		98		10-120
4-Terphenyl-d14	79		76		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

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: WG2040835-2 WG2040835-3								
Bis(2-chloroethyl)ether	68		67		40-140	1		30
3,3'-Dichlorobenzidine	54		56		40-140	4		30
2,4-Dinitrotoluene	75		72		48-143	4		30
2,6-Dinitrotoluene	72		61		40-140	17		30
4-Chlorophenyl phenyl ether	63		61		40-140	3		30
4-Bromophenyl phenyl ether	58		62		40-140	7		30
Bis(2-chloroisopropyl)ether	68		72		40-140	6		30
Bis(2-chloroethoxy)methane	69		70		40-140	1		30
Hexachlorocyclopentadiene	36	Q	35	Q	40-140	3		30
Isophorone	69		70		40-140	1		30
Nitrobenzene	73		75		40-140	3		30
NDPA/DPA	66		65		40-140	2		30
n-Nitrosodi-n-propylamine	73		74		29-132	1		30
Bis(2-ethylhexyl)phthalate	66		78		40-140	17		30
Butyl benzyl phthalate	67		69		40-140	3		30
Di-n-butylphthalate	67		68		40-140	1		30
Di-n-octylphthalate	66		72		40-140	9		30
Diethyl phthalate	65		67		40-140	3		30
Dimethyl phthalate	69		65		40-140	6		30
Biphenyl	64		64		40-140	0		30
4-Chloroaniline	54		54		40-140	0		30
2-Nitroaniline	71		71		52-143	0		30
3-Nitroaniline	67		69		25-145	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

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: WG2040835-2 WG2040835-3								
4-Nitroaniline	72		78		51-143	8		30
Dibenzofuran	61		61		40-140	0		30
1,2,4,5-Tetrachlorobenzene	52		55		2-134	6		30
Acetophenone	85		86		39-129	1		30
2,4,6-Trichlorophenol	63		65		30-130	3		30
p-Chloro-m-cresol	70		68		23-97	3		30
2-Chlorophenol	67		68		27-123	1		30
2,4-Dichlorophenol	66		67		30-130	2		30
2,4-Dimethylphenol	38		36		30-130	5		30
2-Nitrophenol	72		68		30-130	6		30
4-Nitrophenol	56		56		10-80	0		30
2,4-Dinitrophenol	81		82		20-130	1		30
4,6-Dinitro-o-cresol	75		73		20-164	3		30
Phenol	43		45		12-110	5		30
2-Methylphenol	62		59		30-130	5		30
3-Methylphenol/4-Methylphenol	60		60		30-130	0		30
2,4,5-Trichlorophenol	70		67		30-130	4		30
Carbazole	69		71		55-144	3		30
Atrazine	87		81		40-140	7		30
Benzaldehyde	96		100		40-140	4		30
Caprolactam	23		30		10-130	26		30
2,3,4,6-Tetrachlorophenol	69		70		40-140	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG2040835-2 WG2040835-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		59		21-120
Phenol-d6	41		40		10-120
Nitrobenzene-d5	84		82		23-120
2-Fluorobiphenyl	69		61		15-120
2,4,6-Tribromophenol	57		57		10-120
4-Terphenyl-d14	66		67		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2040834-4 WG2040834-5 QC Sample: L2514557-01 Client ID: MW-1_250313												
Acenaphthene	ND	20	14	70		13	65		40-140	7		40
2-Chloronaphthalene	ND	20	14	70		12	60		40-140	15		40
Fluoranthene	ND	20	16	80		15	75		40-140	6		40
Hexachlorobutadiene	ND	20	10	50		9.0	45		40-140	11		40
Naphthalene	ND	20	12	60		11	55		40-140	9		40
Benzo(a)anthracene	ND	20	14	70		14	70		40-140	0		40
Benzo(a)pyrene	ND	20	17	85		17	85		40-140	0		40
Benzo(b)fluoranthene	ND	20	16	80		16	80		40-140	0		40
Benzo(k)fluoranthene	ND	20	17	85		16	80		40-140	6		40
Chrysene	ND	20	14	70		14	70		40-140	0		40
Acenaphthylene	ND	20	16	80		15	75		40-140	6		40
Anthracene	ND	20	15	75		15	75		40-140	0		40
Benzo(ghi)perylene	ND	20	16	80		16	80		40-140	0		40
Fluorene	ND	20	15	75		14	70		40-140	7		40
Phenanthrene	ND	20	14	70		14	70		40-140	0		40
Dibenzo(a,h)anthracene	ND	20	17	85		16	80		40-140	6		40
Indeno(1,2,3-cd)pyrene	ND	20	18	90		17	85		40-140	6		40
Pyrene	ND	20	15	75		15	75		40-140	0		40
2-Methylnaphthalene	ND	20	13	65		12	60		40-140	8		40
Pentachlorophenol	ND	20	19	95		19	95		40-140	0		40
Hexachlorobenzene	ND	20	15	75		15	75		40-140	0		40
Hexachloroethane	ND	20	11	55		9.8	49		40-140	12		40

Matrix Spike Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2514557

Report Date: 03/20/25

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2040834-4 WG2040834-5 QC Sample: L2514557-01 Client ID: MW-1_250313

<i>Surrogate</i>	<i>MS % Recovery</i>	<i>Qualifier</i>	<i>MSD % Recovery</i>	<i>Qualifier</i>	<i>Acceptance Criteria</i>
2,4,6-Tribromophenol	98		97		10-120
2-Fluorobiphenyl	71		67		15-120
2-Fluorophenol	52		50		21-120
4-Terphenyl-d14	73		72		41-149
Nitrobenzene-d5	86		82		23-120
Phenol-d6	44		40		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2040835-4 WG2040835-5 QC Sample: L2514557-01 Client ID: MW-1_250313												
Bis(2-chloroethyl)ether	ND	20	15	75		13	65		40-140	14		30
3,3'-Dichlorobenzidine	ND	20	7.8	39	Q	8.4	42		40-140	7		30
2,4-Dinitrotoluene	ND	20	16	80		14	70		48-143	13		30
2,6-Dinitrotoluene	ND	20	15	75		14	70		40-140	7		30
4-Chlorophenyl phenyl ether	ND	20	14	70		13	65		40-140	7		30
4-Bromophenyl phenyl ether	ND	20	13	65		12	60		40-140	8		30
Bis(2-chloroisopropyl)ether	ND	20	16	80		13	65		40-140	21		30
Bis(2-chloroethoxy)methane	ND	20	15	75		13	65		40-140	14		30
Hexachlorocyclopentadiene	ND	20	10.J	50		8.5J	43		40-140	16		30
Isophorone	ND	20	16	80		14	70		40-140	13		30
Nitrobenzene	ND	20	17	85		14	70		40-140	19		30
NDPA/DPA	ND	20	13	65		13	65		40-140	0		30
n-Nitrosodi-n-propylamine	ND	20	16	80		14	70		29-132	13		30
Bis(2-ethylhexyl)phthalate	ND	20	14	70		13	65		40-140	7		30
Butyl benzyl phthalate	ND	20	16	80		15	75		40-140	6		30
Di-n-butylphthalate	ND	20	14	70		14	70		40-140	0		30
Di-n-octylphthalate	ND	20	15	75		14	70		40-140	7		30
Diethyl phthalate	ND	20	14	70		13	65		40-140	7		30
Dimethyl phthalate	ND	20	14	70		13	65		40-140	7		30
Biphenyl	ND	20	16	80		14	70		40-140	13		30
4-Chloroaniline	ND	20	10	50		10	50		40-140	0		30
2-Nitroaniline	ND	20	17	85		15	75		52-143	13		30
3-Nitroaniline	ND	20	14	70		13	65		25-145	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2040835-4 WG2040835-5 QC Sample: L2514557-01 Client ID: MW-1_250313												
4-Nitroaniline	ND	20	16	80		15	75		51-143	6		30
Dibenzofuran	ND	20	14	70		12	60		40-140	15		30
1,2,4,5-Tetrachlorobenzene	ND	20	14	70		12	60		2-134	15		30
Acetophenone	ND	20	18	90		16	80		39-129	12		30
2,4,6-Trichlorophenol	ND	20	14	70		13	65		30-130	7		30
p-Chloro-m-cresol	ND	20	14	70		13	65		23-97	7		30
2-Chlorophenol	ND	20	15	75		14	70		27-123	7		30
2,4-Dichlorophenol	ND	20	15	75		13	65		30-130	14		30
2,4-Dimethylphenol	ND	20	3.3J	17	Q	3.2J	16	Q	30-130	3		30
2-Nitrophenol	ND	20	17	85		15	75		30-130	13		30
4-Nitrophenol	ND	20	14	70		12	60		10-80	15		30
2,4-Dinitrophenol	ND	20	16.J	80		14.J	70		20-130	13		30
4,6-Dinitro-o-cresol	ND	20	12	60		12	60		20-164	0		30
Phenol	ND	20	9.6	48		7.8	39		12-110	21		30
2-Methylphenol	ND	20	12	60		10	50		30-130	18		30
3-Methylphenol/4-Methylphenol	ND	20	12	60		10	50		30-130	18		30
2,4,5-Trichlorophenol	ND	20	16	80		14	70		30-130	13		30
Carbazole	ND	20	15	75		14	70		55-144	7		30
Atrazine	ND	20	19	95		17	85		40-140	11		30
Benzaldehyde	ND	20	21	110		19	95		40-140	10		30
Caprolactam	ND	20	7.4J	37		5.8J	29		10-130	24		30
2,3,4,6-Tetrachlorophenol	ND	20	15	75		14	70		40-140	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: USAI LIGHTING

Lab Number: L2514557

Project Number: 14.4337

Report Date: 03/20/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Semivolatiles Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG2040835-4 WG2040835-5 QC Sample: L2514557-01
Client ID: MW-1_250313

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	59		54		10-120
2-Fluorobiphenyl	66		61		15-120
2-Fluorophenol	56		51		21-120
4-Terphenyl-d14	74		68		41-149
Nitrobenzene-d5	86		78		23-120
Phenol-d6	45		37		10-120

Project Name: USAI LIGHTING
Project Number: 14.4337

Serial_No: 03202512:57
Lab Number: L2514557
Report Date: 03/20/25

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(*)
L2514557-01A	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-01A1	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-01A2	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-01B	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-01B1	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-01B2	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-02A	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-02B	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-03A	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-03B	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-04A	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-04B	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-05A	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2514557-05B	Amber 100ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

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 LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2514557
Report Date: 03/20/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: USAI LIGHTING**Lab Number:** L2514557**Project Number:** 14.4337**Report Date:** 03/20/25

REFERENCES

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

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**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.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**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 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).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

68519557



ANALYTICAL REPORT

Lab Number:	L2519127
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Jeffrey Marx
Phone:	(518) 786-7548
Project Name:	USAI LIGHTING
Project Number:	14.4337
Report Date:	04/08/25

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Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com



Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2519127-01	VI-1_20250327	SOIL_VAPOR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:08	03/28/25
L2519127-02	VI-2_20250327	SOIL_VAPOR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:20	03/28/25
L2519127-03	VI-3_20250327	SOIL_VAPOR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:29	03/28/25
L2519127-04	VI-4_20250327	SOIL_VAPOR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 15:50	03/28/25
L2519127-05	VI-5_20250327	SOIL_VAPOR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 14:27	03/28/25
L2519127-06	IA-1_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:03	03/28/25
L2519127-07	IA-2_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 17:05	03/28/25
L2519127-08	IA-3_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:12	03/28/25
L2519127-09	IA-4_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 15:58	03/28/25
L2519127-10	IA-5_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:44	03/28/25
L2519127-11	IA-6_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 17:15	03/28/25
L2519127-12	IA-7_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 17:02	03/28/25
L2519127-13	OA-1_20250327	AIR	1126 RIVER ROAD NEW WINDSOR, NY	03/27/25 16:47	03/28/25
L2519127-14	UNUSED CAN #5430	AIR	1126 RIVER ROAD NEW WINDSOR, NY		03/28/25

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2519127
Report Date: 04/08/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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 LIGHTING
Project Number: 14.4337

Lab Number: L2519127
Report Date: 04/08/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March , 2025. The canister certification data is provided as an addendum.

Report Submission

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

L2519127-06: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2519127-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2050639-3 LCS recovery associated with L2519127-01, -02, -03, -04D, -05, -06D, -06, -08, -09, -10, and -13 is outside the acceptance limit for bromoform (136%) and 1,2,4-trichlorobenzene (134%). The samples are non detect for those targets.

L2519127-07D, -11D, and -12D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/08/25

AIR

Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-01
 Client ID: VI-1_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:08
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/25 04:00
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.448	0.200	0.076	2.22	0.989	0.374		1
Chloromethane	0.248	0.200	0.058	0.512	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	5.78	1.00	0.515	13.7	2.38	1.22		1
Trichlorofluoromethane	0.282	0.200	0.079	1.58	1.12	0.442		1
Isopropanol	1.97	1.00	0.272	4.84	2.46	0.669		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	0.525	0.500	0.132	1.59	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	0.461	0.200	0.047	1.44	0.623	0.145		1
Freon-113	0.082	0.200	0.051	0.628	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.727	0.500	0.099	2.14	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-01

Client ID: VI-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:08

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	1.65	0.200	0.055	8.06	0.977	0.270		1
Tetrahydrofuran	0.474	0.500	0.117	1.40	1.47	0.345	J	1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	0.328	0.200	0.074	1.16	0.705	0.262		1
1,1,1-Trichloroethane	1.96	0.200	0.061	10.7	1.09	0.335		1
Benzene	0.066	0.200	0.064	0.211	0.639	0.205	J	1
Carbon tetrachloride	0.726	0.200	0.069	4.57	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
Xylenes, Total	1.42	0.200	0.062	6.17	0.869	0.270		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	1.74	0.200	0.055	9.35	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.203	0.200	0.087	0.765	0.754	0.327		1
2-Hexanone	0.546	0.200	0.091	2.24	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Tetrachloroethene	0.316	0.200	0.063	2.14	1.36	0.425		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-01

Date Collected: 03/27/25 16:08

Client ID: VI-1_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.210	0.200	0.058	0.912	0.869	0.250		1
p/m-Xylene	1.01	0.400	0.125	4.39	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.174	0.200	0.060	0.741	0.852	0.254	J	1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.410	0.200	0.062	1.78	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	95		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-02
 Client ID: VI-2_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:20
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/25 04:39
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.473	0.200	0.076	2.34	0.989	0.374		1
Chloromethane	0.368	0.200	0.058	0.760	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	2.85	5.00	1.74	5.37	9.42	3.28	J	1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	3.56	1.00	0.515	8.46	2.38	1.22		1
Trichlorofluoromethane	0.270	0.200	0.079	1.52	1.12	0.442		1
Isopropanol	20.1	1.00	0.272	49.4	2.46	0.669		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	0.154	0.500	0.132	0.467	1.52	0.400	J	1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	0.222	0.200	0.047	0.691	0.623	0.145		1
Freon-113	0.081	0.200	0.051	0.621	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.119	0.500	0.099	0.351	1.47	0.292	J	1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-02

Client ID: VI-2_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:20

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	0.308	0.500	0.117	0.908	1.47	0.345	J	1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	2.96	0.200	0.074	10.4	0.705	0.262		1
1,1,1-Trichloroethane	0.120	0.200	0.061	0.655	1.09	0.335	J	1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	0.073	0.200	0.069	0.459	1.26	0.432	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
Xylenes, Total	1.10	0.200	0.062	4.78	0.869	0.270		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.095	0.200	0.087	0.358	0.754	0.327	J	1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-02

Client ID: VI-2_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:20

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.153	0.200	0.058	0.665	0.869	0.250	J	1
p/m-Xylene	0.763	0.400	0.125	3.31	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.337	0.200	0.062	1.46	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	0.072	0.200	0.058	0.354	0.983	0.284	J	1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	100		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-03
 Client ID: VI-3_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:29
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/25 05:18
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.546	0.200	0.076	2.70	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	0.090	0.200	0.055	0.349	0.777	0.212	J	1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	39.2	5.00	1.74	73.9	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	9.85	1.00	0.515	23.4	2.38	1.22		1
Trichlorofluoromethane	0.650	0.200	0.079	3.65	1.12	0.442		1
Isopropanol	12.4	1.00	0.272	30.5	2.46	0.669		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	0.262	0.500	0.132	0.794	1.52	0.400	J	1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	0.270	0.200	0.047	0.841	0.623	0.145		1
Freon-113	0.465	0.200	0.051	3.56	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	0.218	0.200	0.057	0.882	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.476	0.500	0.099	1.40	1.47	0.292	J	1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-03

Client ID: VI-3_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:29

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	0.563	0.500	0.297	2.03	1.80	1.07		1
Chloroform	0.340	0.200	0.055	1.66	0.977	0.270		1
Tetrahydrofuran	0.373	0.500	0.117	1.10	1.47	0.345	J	1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	1.15	0.200	0.074	4.05	0.705	0.262		1
1,1,1-Trichloroethane	11.8	0.200	0.061	64.4	1.09	0.335		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
Xylenes, Total	0.701	0.200	0.062	3.04	0.869	0.270		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	0.566	0.200	0.055	3.04	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.201	0.200	0.087	0.757	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Tetrachloroethene	82.3	0.200	0.063	558	1.36	0.425		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-03

Date Collected: 03/27/25 16:29

Client ID: VI-3_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.116	0.200	0.058	0.504	0.869	0.250	J	1
p/m-Xylene	0.481	0.400	0.125	2.09	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.097	0.200	0.060	0.413	0.852	0.254	J	1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.220	0.200	0.062	0.956	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	0.061	0.200	0.058	0.300	0.983	0.284	J	1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-04 D
 Client ID: VI-4_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:50
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/25 05:57
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.464	0.309	0.117	2.29	1.53	0.579		1.546
Chloromethane	0.526	0.309	0.089	1.09	0.638	0.184		1.546
Freon-114	ND	0.309	0.078	ND	2.16	0.545		1.546
Vinyl chloride	ND	0.309	0.090	ND	0.790	0.230		1.546
1,3-Butadiene	ND	0.309	0.096	ND	0.684	0.212		1.546
Bromomethane	ND	0.309	0.085	ND	1.20	0.329		1.546
Chloroethane	ND	0.309	0.100	ND	0.815	0.264		1.546
Ethanol	22.6	7.73	2.69	42.6	14.6	5.07		1.546
Vinyl bromide	ND	0.309	0.112	ND	1.35	0.490		1.546
Acetone	12.9	1.55	0.796	30.6	3.68	1.89		1.546
Trichlorofluoromethane	0.332	0.309	0.122	1.87	1.74	0.686		1.546
Isopropanol	3.33	1.55	0.420	8.19	3.81	1.03		1.546
1,1-Dichloroethene	ND	0.309	0.088	ND	1.23	0.348		1.546
Tertiary butyl Alcohol	1.38	0.773	0.204	4.18	2.34	0.618		1.546
Methylene chloride	ND	0.773	0.193	ND	2.69	0.670		1.546
3-Chloropropene	ND	0.309	0.133	ND	0.967	0.416		1.546
Carbon disulfide	1.28	0.309	0.072	3.99	0.962	0.224		1.546
Freon-113	0.079	0.309	0.078	0.604	2.37	0.599	J	1.546
trans-1,2-Dichloroethene	ND	0.309	0.117	ND	1.23	0.464		1.546
1,1-Dichloroethane	ND	0.309	0.088	ND	1.25	0.355		1.546
Methyl tert butyl ether	ND	0.309	0.070	ND	1.11	0.251		1.546
2-Butanone	0.924	0.773	0.153	2.73	2.28	0.451		1.546
cis-1,2-Dichloroethene	ND	0.309	0.092	ND	1.23	0.365		1.546



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-04 D

Client ID: VI-4_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:50

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.773	0.459	ND	2.79	1.65		1.546
Chloroform	0.254	0.309	0.085	1.24	1.51	0.417	J	1.546
Tetrahydrofuran	9.50	0.773	0.181	28.0	2.28	0.534		1.546
1,2-Dichloroethane	ND	0.309	0.122	ND	1.25	0.494		1.546
n-Hexane	3.31	0.309	0.115	11.7	1.09	0.405		1.546
1,1,1-Trichloroethane	ND	0.309	0.095	ND	1.69	0.518		1.546
Benzene	0.193	0.309	0.099	0.617	0.987	0.318	J	1.546
Carbon tetrachloride	ND	0.309	0.106	ND	1.94	0.667		1.546
Cyclohexane	ND	0.309	0.112	ND	1.06	0.386		1.546
1,2-Dichloropropane	ND	0.309	0.098	ND	1.43	0.451		1.546
Bromodichloromethane	ND	0.309	0.106	ND	2.07	0.710		1.546
Xylenes, Total	6.50	0.309	0.096	28.2	1.34	0.417		1.546
1,4-Dioxane	ND	0.309	0.083	ND	1.11	0.300		1.546
Trichloroethene	ND	0.309	0.085	ND	1.66	0.455		1.546
2,2,4-Trimethylpentane	ND	0.309	0.107	ND	1.44	0.500		1.546
Heptane	0.291	0.309	0.128	1.19	1.27	0.525	J	1.546
cis-1,3-Dichloropropene	ND	0.309	0.104	ND	1.40	0.472		1.546
4-Methyl-2-pentanone	1.41	0.773	0.294	5.78	3.17	1.20		1.546
trans-1,3-Dichloropropene	ND	0.309	0.121	ND	1.40	0.549		1.546
1,1,2-Trichloroethane	ND	0.309	0.090	ND	1.69	0.491		1.546
Toluene	13.2	0.309	0.134	49.7	1.16	0.505		1.546
2-Hexanone	ND	0.309	0.141	ND	1.27	0.578		1.546
Dibromochloromethane	ND	0.309	0.088	ND	2.63	0.745		1.546
1,2-Dibromoethane	ND	0.309	0.084	ND	2.37	0.646		1.546
Tetrachloroethene	0.247	0.309	0.097	1.67	2.10	0.657	J	1.546
Chlorobenzene	ND	0.309	0.080	ND	1.42	0.368		1.546



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-04 D

Client ID: VI-4_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:50

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.631	0.309	0.089	2.74	1.34	0.386		1.546
p/m-Xylene	3.38	0.618	0.193	14.7	2.68	0.838		1.546
Bromoform	ND	0.309	0.092	ND	3.19	0.952		1.546
Styrene	0.601	0.309	0.092	2.56	1.32	0.392		1.546
1,1,2,2-Tetrachloroethane	ND	0.309	0.080	ND	2.12	0.552		1.546
o-Xylene	3.12	0.309	0.096	13.6	1.34	0.417		1.546
4-Ethyltoluene	0.094	0.309	0.086	0.464	1.52	0.421	J	1.546
1,3,5-Trimethylbenzene	0.105	0.309	0.093	0.516	1.52	0.456	J	1.546
1,2,4-Trimethylbenzene	0.332	0.309	0.089	1.63	1.52	0.439		1.546
Benzyl chloride	ND	0.309	0.145	ND	1.60	0.751		1.546
1,3-Dichlorobenzene	ND	0.309	0.120	ND	1.86	0.721		1.546
1,4-Dichlorobenzene	ND	0.309	0.128	ND	1.86	0.770		1.546
1,2-Dichlorobenzene	ND	0.309	0.096	ND	1.86	0.575		1.546
1,2,4-Trichlorobenzene	ND	0.309	0.155	ND	2.29	1.15		1.546
Naphthalene	ND	0.294	0.091	ND	1.54	0.478		1.546
Hexachlorobutadiene	ND	0.309	0.094	ND	3.30	1.00		1.546

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	93		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-05
 Client ID: VI-5_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 14:27
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/25 06:35
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.457	0.200	0.076	2.26	0.989	0.374		1
Chloromethane	0.200	0.200	0.058	0.413	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	0.114	0.200	0.065	0.301	0.528	0.171	J	1
Ethanol	47.9	5.00	1.74	90.3	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	6.38	1.00	0.515	15.2	2.38	1.22		1
Trichlorofluoromethane	0.288	0.200	0.079	1.62	1.12	0.442		1
Isopropanol	4.44	1.00	0.272	10.9	2.46	0.669		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	0.383	0.500	0.132	1.16	1.52	0.400	J	1
Methylene chloride	0.203	0.500	0.125	0.705	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	0.348	0.200	0.047	1.08	0.623	0.145		1
Freon-113	0.076	0.200	0.051	0.583	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	0.103	0.200	0.057	0.417	0.809	0.230	J	1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	1.09	0.500	0.099	3.21	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-05

Client ID: VI-5_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 14:27

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	0.372	0.500	0.297	1.34	1.80	1.07	J	1
Chloroform	0.095	0.200	0.055	0.464	0.977	0.270	J	1
Tetrahydrofuran	10.2	0.500	0.117	30.1	1.47	0.345		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	2.80	0.200	0.074	9.87	0.705	0.262		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
Benzene	0.114	0.200	0.064	0.364	0.639	0.205	J	1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	0.111	0.200	0.073	0.382	0.688	0.251	J	1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
Xylenes, Total	4.00	0.200	0.062	17.4	0.869	0.270		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	0.164	0.200	0.069	0.766	0.934	0.323	J	1
Heptane	4.60	0.200	0.083	18.9	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	0.963	0.500	0.190	3.95	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	25.0	0.200	0.087	94.2	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Tetrachloroethene	0.080	0.200	0.063	0.542	1.36	0.425	J	1
Chlorobenzene	0.067	0.200	0.052	0.309	0.921	0.238	J	1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-05

Date Collected: 03/27/25 14:27

Client ID: VI-5_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	0.436	0.200	0.058	1.89	0.869	0.250		1
p/m-Xylene	2.20	0.400	0.125	9.56	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.748	0.200	0.060	3.18	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	1.80	0.200	0.062	7.82	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	0.095	0.200	0.060	0.467	0.983	0.295	J	1
1,2,4-Trimethylbenzene	0.276	0.200	0.058	1.36	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	102		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-06
 Client ID: IA-1_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:03
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/25 17:26
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.499	0.200	0.076	2.47	0.989	0.374		1
Chloromethane	0.490	0.200	0.058	1.01	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
1,3-Butadiene	0.187	0.200	0.062	0.414	0.442	0.137	J	1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	791	5.00	1.74	1490	9.42	3.28	E	1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	14.4	1.00	0.515	34.2	2.38	1.22		1
Trichlorofluoromethane	0.955	0.200	0.079	5.37	1.12	0.442		1
Isopropanol	59.3	1.00	0.272	146	2.46	0.669		1
Tertiary butyl Alcohol	1.14	0.500	0.132	3.46	1.52	0.400		1
Methylene chloride	0.208	0.500	0.125	0.723	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	0.088	0.200	0.051	0.674	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.775	0.500	0.099	2.29	1.47	0.292		1
Ethyl Acetate	1.14	0.500	0.297	4.11	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	0.438	0.500	0.117	1.29	1.47	0.345	J	1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-06

Client ID: IA-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:03

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	0.733	0.200	0.074	2.58	0.705	0.262		1
Benzene	0.114	0.200	0.064	0.364	0.639	0.205	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	0.088	0.200	0.083	0.361	0.820	0.339	J	1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
Xylenes, Total	1.98	0.200	0.062	8.60	0.869	0.270		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	1.18	0.200	0.087	4.45	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	0.296	0.200	0.058	1.29	0.869	0.250		1
p/m-Xylene	1.42	0.400	0.125	6.17	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.206	0.200	0.060	0.877	0.852	0.254		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.559	0.200	0.062	2.43	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-06

Date Collected: 03/27/25 16:03

Client ID: IA-1_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	94		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-06

Client ID: IA-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:03

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 17:26

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Carbon tetrachloride	0.077	0.020	0.011	0.484	0.126	0.069		1
Trichloroethene	0.011	0.020	0.006	0.059	0.107	0.032	J	1
Tetrachloroethene	0.010	0.020	0.007	0.068	0.136	0.050	J	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	91		60-140



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-06 D

Client ID: IA-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:03

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 04/08/25 08:39

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Ethanol	794	25.0	8.70	1500	47.1	16.4		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	104		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-07 D
 Client ID: IA-2_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:05
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/25 18:05
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.465	0.660	0.165	2.30	3.26	0.816	J	3.3
Chloromethane	0.508	0.660	0.249	1.05	1.36	0.514	J	3.3
Freon-114	ND	0.165	0.021	ND	1.15	0.147		3.3
Vinyl chloride	ND	0.066	0.029	ND	0.169	0.074		3.3
1,3-Butadiene	ND	0.066	0.035	ND	0.146	0.077		3.3
Bromomethane	ND	0.066	0.031	ND	0.256	0.120		3.3
Chloroethane	ND	0.330	0.130	ND	0.871	0.343		3.3
Ethanol	57.9	16.5	4.46	109	31.1	8.40		3.3
Vinyl bromide	ND	0.660	0.142	ND	2.89	0.621		3.3
Acetone	21.0	3.30	1.78	49.9	7.84	4.23		3.3
Trichlorofluoromethane	0.304	0.165	0.030	1.71	0.927	0.171		3.3
Isopropanol	56.0	3.30	0.822	138	8.11	2.02		3.3
1,1-Dichloroethene	ND	0.066	0.025	ND	0.262	0.101		3.3
Tertiary butyl Alcohol	ND	1.65	0.442	ND	5.00	1.34		3.3
Methylene chloride	ND	1.65	0.363	ND	5.73	1.26		3.3
3-Chloropropene	ND	0.660	0.108	ND	2.07	0.338		3.3
Carbon disulfide	ND	0.660	0.104	ND	2.06	0.324		3.3
Freon-113	0.092	0.165	0.027	0.708	1.26	0.210	J	3.3
trans-1,2-Dichloroethene	ND	0.066	0.030	ND	0.262	0.118		3.3
1,1-Dichloroethane	ND	0.066	0.028	ND	0.267	0.115		3.3
Methyl tert butyl ether	ND	0.660	0.086	ND	2.38	0.310		3.3
2-Butanone	1.08	1.65	0.436	3.19	4.87	1.29	J	3.3
cis-1,2-Dichloroethene	ND	0.066	0.034	ND	0.262	0.134		3.3



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-07 D

Client ID: IA-2_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:05

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Ethyl Acetate	1.23	1.65	1.06	4.43	5.95	3.82	J	3.3
Chloroform	0.040	0.066	0.023	0.193	0.322	0.114	J	3.3
Tetrahydrofuran	0.726	1.65	0.469	2.14	4.87	1.38	J	3.3
1,2-Dichloroethane	ND	0.066	0.027	ND	0.267	0.111		3.3
n-Hexane	5.02	0.660	0.155	17.7	2.33	0.546		3.3
1,1,1-Trichloroethane	ND	0.066	0.020	ND	0.360	0.106		3.3
Benzene	0.122	0.330	0.098	0.390	1.05	0.314	J	3.3
Carbon tetrachloride	0.073	0.066	0.036	0.457	0.415	0.228		3.3
Cyclohexane	ND	0.660	0.103	ND	2.27	0.355		3.3
1,2-Dichloropropane	ND	0.066	0.027	ND	0.305	0.127		3.3
Bromodichloromethane	ND	0.066	0.024	ND	0.442	0.163		3.3
1,4-Dioxane	ND	0.330	0.114	ND	1.19	0.411		3.3
Trichloroethene	ND	0.066	0.020	ND	0.355	0.106		3.3
2,2,4-Trimethylpentane	ND	0.660	0.122	ND	3.08	0.570		3.3
Heptane	ND	0.660	0.103	ND	2.70	0.422		3.3
cis-1,3-Dichloropropene	ND	0.066	0.039	ND	0.300	0.177		3.3
4-Methyl-2-pentanone	ND	1.65	0.630	ND	6.76	2.58		3.3
trans-1,3-Dichloropropene	ND	0.066	0.038	ND	0.300	0.173		3.3
1,1,2-Trichloroethane	ND	0.066	0.032	ND	0.360	0.175		3.3
Toluene	0.868	0.330	0.055	3.27	1.24	0.207		3.3
2-Hexanone	ND	0.660	0.117	ND	2.70	0.479		3.3
Dibromochloromethane	ND	0.066	0.026	ND	0.562	0.225		3.3
1,2-Dibromoethane	ND	0.066	0.030	ND	0.507	0.231		3.3
Tetrachloroethene	ND	0.066	0.024	ND	0.448	0.165		3.3
Chlorobenzene	ND	0.330	0.085	ND	1.52	0.392		3.3
Ethylbenzene	0.221	0.066	0.028	0.960	0.287	0.122		3.3



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-07 D

Client ID: IA-2_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:05

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
p/m-Xylene	0.950	0.132	0.059	4.13	0.573	0.258		3.3
Bromoform	ND	0.066	0.037	ND	0.682	0.378		3.3
Styrene	0.185	0.066	0.026	0.788	0.281	0.111		3.3
1,1,2,2-Tetrachloroethane	ND	0.066	0.022	ND	0.453	0.152		3.3
o-Xylene	0.416	0.066	0.029	1.81	0.287	0.125		3.3
4-Ethyltoluene	ND	0.066	0.033	ND	0.324	0.161		3.3
1,3,5-Trimethybenzene	ND	0.066	0.032	ND	0.324	0.156		3.3
1,2,4-Trimethylbenzene	0.086	0.066	0.025	0.422	0.324	0.123		3.3
Benzyl chloride	ND	0.330	0.110	ND	1.71	0.570		3.3
1,3-Dichlorobenzene	ND	0.066	0.025	ND	0.397	0.153		3.3
1,4-Dichlorobenzene	ND	0.066	0.025	ND	0.397	0.149		3.3
1,2-Dichlorobenzene	ND	0.066	0.021	ND	0.397	0.123		3.3
1,2,4-Trichlorobenzene	ND	0.165	0.048	ND	1.22	0.358		3.3
Naphthalene	ND	0.165	0.069	ND	0.865	0.363		3.3
Hexachlorobutadiene	ND	0.165	0.036	ND	1.76	0.387		3.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	95		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-08
 Client ID: IA-3_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:12
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/25 18:45
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.456	0.200	0.076	2.25	0.989	0.374		1
Chloromethane	0.503	0.200	0.058	1.04	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	0.439	0.200	0.065	1.16	0.528	0.171		1
Ethanol	224	5.00	1.74	422	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	42.3	1.00	0.515	100	2.38	1.22		1
Trichlorofluoromethane	0.388	0.200	0.079	2.18	1.12	0.442		1
Isopropanol	14.8	1.00	0.272	36.4	2.46	0.669		1
Tertiary butyl Alcohol	0.527	0.500	0.132	1.60	1.52	0.400		1
Methylene chloride	0.258	0.500	0.125	0.896	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	0.079	0.200	0.051	0.606	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	1.41	0.500	0.099	4.16	1.47	0.292		1
Ethyl Acetate	2.21	0.500	0.297	7.96	1.80	1.07		1
Chloroform	0.072	0.200	0.055	0.352	0.977	0.270	J	1
Tetrahydrofuran	0.564	0.500	0.117	1.66	1.47	0.345		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-08

Client ID: IA-3_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:12

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	0.217	0.200	0.074	0.765	0.705	0.262		1
Benzene	0.108	0.200	0.064	0.345	0.639	0.205	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	0.303	0.200	0.083	1.24	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
Xylenes, Total	2.73	0.200	0.062	11.9	0.869	0.270		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.931	0.200	0.087	3.51	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	0.461	0.200	0.058	2.00	0.869	0.250		1
p/m-Xylene	1.91	0.400	0.125	8.30	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.511	0.200	0.060	2.18	0.852	0.254		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.824	0.200	0.062	3.58	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-08

Date Collected: 03/27/25 16:12

Client ID: IA-3_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	102		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-08

Client ID: IA-3_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:12

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 18:45

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
1,1,1-Trichloroethane	0.021	0.020	0.006	0.115	0.109	0.032		1
Carbon tetrachloride	0.068	0.020	0.011	0.428	0.126	0.069		1
Trichloroethene	0.011	0.020	0.006	0.059	0.107	0.032	J	1
Tetrachloroethene	0.019	0.020	0.007	0.129	0.136	0.050	J	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	98		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-09
 Client ID: IA-4_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:58
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/25 19:24
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.495	0.200	0.076	2.45	0.989	0.374		1
Chloromethane	0.477	0.200	0.058	0.985	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	0.400	0.200	0.065	1.06	0.528	0.171		1
Ethanol	248	5.00	1.74	467	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	11.3	1.00	0.515	26.8	2.38	1.22		1
Trichlorofluoromethane	0.495	0.200	0.079	2.78	1.12	0.442		1
Isopropanol	37.1	1.00	0.272	91.2	2.46	0.669		1
Tertiary butyl Alcohol	0.363	0.500	0.132	1.10	1.52	0.400	J	1
Methylene chloride	0.140	0.500	0.125	0.486	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	0.085	0.200	0.051	0.651	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.399	0.500	0.099	1.18	1.47	0.292	J	1
Ethyl Acetate	1.34	0.500	0.297	4.83	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	0.171	0.500	0.117	0.504	1.47	0.345	J	1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-09

Client ID: IA-4_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:58

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	1.50	0.200	0.074	5.29	0.705	0.262		1
Benzene	0.095	0.200	0.064	0.303	0.639	0.205	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	0.090	0.200	0.083	0.369	0.820	0.339	J	1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
Xylenes, Total	0.693	0.200	0.062	3.01	0.869	0.270		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.866	0.200	0.087	3.26	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	0.116	0.200	0.058	0.504	0.869	0.250	J	1
p/m-Xylene	0.489	0.400	0.125	2.12	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.091	0.200	0.060	0.387	0.852	0.254	J	1
1,1,1,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.204	0.200	0.062	0.886	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-09

Date Collected: 03/27/25 15:58

Client ID: IA-4_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	97		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-09

Client ID: IA-4_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 15:58

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 19:24

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Carbon tetrachloride	0.072	0.020	0.011	0.453	0.126	0.069		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
Tetrachloroethene	0.014	0.020	0.007	0.095	0.136	0.050	J	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	94		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-10
 Client ID: IA-5_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:44
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/25 20:02
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.488	0.200	0.076	2.41	0.989	0.374		1
Chloromethane	0.453	0.200	0.058	0.935	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	70.0	5.00	1.74	132	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	23.9	1.00	0.515	56.8	2.38	1.22		1
Trichlorofluoromethane	0.342	0.200	0.079	1.92	1.12	0.442		1
Isopropanol	46.3	1.00	0.272	114	2.46	0.669		1
Tertiary butyl Alcohol	0.378	0.500	0.132	1.15	1.52	0.400	J	1
Methylene chloride	0.263	0.500	0.125	0.914	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	0.095	0.200	0.051	0.728	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	1.36	0.500	0.099	4.01	1.47	0.292		1
Ethyl Acetate	1.47	0.500	0.297	5.30	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	0.788	0.500	0.117	2.32	1.47	0.345		1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-10

Client ID: IA-5_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:44

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	4.00	0.200	0.074	14.1	0.705	0.262		1
Benzene	0.097	0.200	0.064	0.310	0.639	0.205	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
Xylenes, Total	1.67	0.200	0.062	7.25	0.869	0.270		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	1.11	0.200	0.087	4.18	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	0.261	0.200	0.058	1.13	0.869	0.250		1
p/m-Xylene	1.17	0.400	0.125	5.08	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	0.291	0.200	0.060	1.24	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	0.504	0.200	0.062	2.19	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-10

Date Collected: 03/27/25 16:44

Client ID: IA-5_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	0.073	0.200	0.058	0.359	0.983	0.284	J	1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	98		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-10

Client ID: IA-5_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:44

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 20:02

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
1,1,1-Trichloroethane	0.021	0.020	0.006	0.115	0.109	0.032		1
Carbon tetrachloride	0.070	0.020	0.011	0.440	0.126	0.069		1
Trichloroethene	0.012	0.020	0.006	0.065	0.107	0.032	J	1
Tetrachloroethene	0.018	0.020	0.007	0.122	0.136	0.050	J	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	95		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-11 D
 Client ID: IA-6_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:15
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/25 21:20
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.466	0.897	0.224	2.30	4.44	1.11	J	4.484
Chloromethane	0.466	0.897	0.339	0.962	1.85	0.700	J	4.484
Freon-114	ND	0.224	0.029	ND	1.57	0.201		4.484
Vinyl chloride	ND	0.090	0.039	ND	0.229	0.101		4.484
1,3-Butadiene	ND	0.090	0.048	ND	0.198	0.105		4.484
Bromomethane	ND	0.090	0.042	ND	0.348	0.163		4.484
Chloroethane	ND	0.448	0.177	ND	1.18	0.467		4.484
Ethanol	99.9	22.4	6.05	188	42.2	11.4		4.484
Vinyl bromide	ND	0.897	0.193	ND	3.92	0.844		4.484
Acetone	26.0	4.48	2.42	61.8	10.6	5.75		4.484
Trichlorofluoromethane	0.332	0.224	0.041	1.87	1.26	0.232		4.484
Isopropanol	23.9	4.48	1.12	58.7	11.0	2.75		4.484
1,1-Dichloroethene	ND	0.090	0.035	ND	0.356	0.137		4.484
Tertiary butyl Alcohol	ND	2.24	0.601	ND	6.79	1.82		4.484
Methylene chloride	0.498	2.24	0.493	1.73	7.78	1.71	J	4.484
3-Chloropropene	ND	0.897	0.147	ND	2.81	0.460		4.484
Carbon disulfide	ND	0.897	0.142	ND	2.79	0.442		4.484
Freon-113	0.090	0.224	0.037	0.688	1.72	0.285	J	4.484
trans-1,2-Dichloroethene	ND	0.090	0.040	ND	0.356	0.160		4.484
1,1-Dichloroethane	ND	0.090	0.039	ND	0.363	0.156		4.484
Methyl tert butyl ether	ND	0.897	0.117	ND	3.23	0.422		4.484
2-Butanone	1.57	2.24	0.592	4.63	6.61	1.75	J	4.484
cis-1,2-Dichloroethene	ND	0.090	0.046	ND	0.356	0.181		4.484



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-11 D

Client ID: IA-6_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:15

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Ethyl Acetate	2.48	2.24	1.45	8.94	8.07	5.23		4.484
Chloroform	ND	0.090	0.032	ND	0.438	0.155		4.484
Tetrahydrofuran	1.00	2.24	0.637	2.95	6.61	1.88	J	4.484
1,2-Dichloroethane	ND	0.090	0.037	ND	0.363	0.151		4.484
n-Hexane	1.68	0.897	0.211	5.92	3.16	0.744		4.484
1,1,1-Trichloroethane	ND	0.090	0.026	ND	0.489	0.144		4.484
Benzene	ND	0.448	0.134	ND	1.43	0.428		4.484
Carbon tetrachloride	0.076	0.090	0.049	0.479	0.564	0.310	J	4.484
Cyclohexane	ND	0.897	0.140	ND	3.09	0.482		4.484
1,2-Dichloropropane	ND	0.090	0.037	ND	0.415	0.172		4.484
Bromodichloromethane	ND	0.090	0.033	ND	0.601	0.222		4.484
1,4-Dioxane	ND	0.448	0.154	ND	1.61	0.555		4.484
Trichloroethene	ND	0.090	0.027	ND	0.482	0.145		4.484
2,2,4-Trimethylpentane	ND	0.897	0.166	ND	4.19	0.775		4.484
Heptane	0.157	0.897	0.140	0.643	3.68	0.574	J	4.484
cis-1,3-Dichloropropene	ND	0.090	0.053	ND	0.407	0.240		4.484
4-Methyl-2-pentanone	ND	2.24	0.856	ND	9.18	3.51		4.484
trans-1,3-Dichloropropene	ND	0.090	0.052	ND	0.407	0.234		4.484
1,1,2-Trichloroethane	ND	0.090	0.044	ND	0.489	0.237		4.484
Toluene	2.37	0.448	0.074	8.93	1.69	0.280		4.484
2-Hexanone	ND	0.897	0.159	ND	3.68	0.652		4.484
Dibromochloromethane	ND	0.090	0.036	ND	0.764	0.306		4.484
1,2-Dibromoethane	ND	0.090	0.041	ND	0.689	0.314		4.484
Tetrachloroethene	ND	0.090	0.033	ND	0.608	0.225		4.484
Chlorobenzene	ND	0.448	0.116	ND	2.06	0.534		4.484
Ethylbenzene	0.345	0.090	0.038	1.50	0.390	0.165		4.484



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-11 D

Client ID: IA-6_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:15

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
p/m-Xylene	1.52	0.179	0.081	6.60	0.777	0.351		4.484
Bromoform	ND	0.090	0.050	ND	0.927	0.515		4.484
Styrene	0.269	0.090	0.035	1.15	0.382	0.151		4.484
1,1,2,2-Tetrachloroethane	ND	0.090	0.030	ND	0.616	0.206		4.484
o-Xylene	0.605	0.090	0.039	2.63	0.390	0.169		4.484
4-Ethyltoluene	ND	0.090	0.044	ND	0.441	0.218		4.484
1,3,5-Trimethybenzene	ND	0.090	0.043	ND	0.441	0.211		4.484
1,2,4-Trimethylbenzene	0.049	0.090	0.034	0.242	0.441	0.168	J	4.484
Benzyl chloride	ND	0.448	0.149	ND	2.32	0.772		4.484
1,3-Dichlorobenzene	ND	0.090	0.035	ND	0.539	0.207		4.484
1,4-Dichlorobenzene	ND	0.090	0.034	ND	0.539	0.202		4.484
1,2-Dichlorobenzene	ND	0.090	0.028	ND	0.539	0.167		4.484
1,2,4-Trichlorobenzene	ND	0.224	0.066	ND	1.66	0.486		4.484
Naphthalene	ND	0.224	0.094	ND	1.17	0.494		4.484
Hexachlorobutadiene	ND	0.224	0.049	ND	2.39	0.526		4.484

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-12 D
 Client ID: IA-7_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:02
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/25 21:58
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.451	0.949	0.237	2.23	4.69	1.17	J	4.745
Chloromethane	0.451	0.949	0.359	0.931	1.96	0.741	J	4.745
Freon-114	ND	0.237	0.030	ND	1.66	0.212		4.745
Vinyl chloride	ND	0.095	0.042	ND	0.243	0.107		4.745
1,3-Butadiene	ND	0.095	0.050	ND	0.210	0.111		4.745
Bromomethane	ND	0.095	0.045	ND	0.368	0.173		4.745
Chloroethane	ND	0.474	0.187	ND	1.25	0.493		4.745
Ethanol	67.8	23.7	6.40	128	44.7	12.1		4.745
Vinyl bromide	ND	0.949	0.204	ND	4.15	0.892		4.745
Acetone	13.6	4.74	2.56	32.3	11.3	6.08		4.745
Trichlorofluoromethane	0.270	0.237	0.044	1.52	1.33	0.245		4.745
Isopropanol	16.8	4.74	1.18	41.3	11.7	2.90		4.745
1,1-Dichloroethene	ND	0.095	0.037	ND	0.376	0.145		4.745
Tertiary butyl Alcohol	ND	2.37	0.636	ND	7.18	1.93		4.745
Methylene chloride	ND	2.37	0.522	ND	8.23	1.81		4.745
3-Chloropropene	ND	0.949	0.155	ND	2.97	0.485		4.745
Carbon disulfide	ND	0.949	0.150	ND	2.96	0.467		4.745
Freon-113	0.076	0.237	0.039	0.582	1.82	0.302	J	4.745
trans-1,2-Dichloroethene	ND	0.095	0.043	ND	0.376	0.169		4.745
1,1-Dichloroethane	ND	0.095	0.041	ND	0.384	0.165		4.745
Methyl tert butyl ether	ND	0.949	0.124	ND	3.42	0.447		4.745
2-Butanone	0.892	2.37	0.626	2.63	6.99	1.85	J	4.745
cis-1,2-Dichloroethene	ND	0.095	0.048	ND	0.376	0.192		4.745



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-12 D

Client ID: IA-7_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:02

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Ethyl Acetate	ND	2.37	1.53	ND	8.54	5.51		4.745
Chloroform	ND	0.095	0.034	ND	0.463	0.165		4.745
Tetrahydrofuran	ND	2.37	0.674	ND	6.99	1.99		4.745
1,2-Dichloroethane	ND	0.095	0.039	ND	0.384	0.159		4.745
n-Hexane	0.617	0.949	0.223	2.17	3.34	0.786	J	4.745
1,1,1-Trichloroethane	ND	0.095	0.028	ND	0.518	0.153		4.745
Benzene	ND	0.474	0.141	ND	1.51	0.450		4.745
Carbon tetrachloride	0.071	0.095	0.052	0.448	0.597	0.328	J	4.745
Cyclohexane	ND	0.949	0.148	ND	3.27	0.509		4.745
1,2-Dichloropropane	ND	0.095	0.039	ND	0.439	0.182		4.745
Bromodichloromethane	ND	0.095	0.035	ND	0.636	0.235		4.745
1,4-Dioxane	ND	0.474	0.163	ND	1.71	0.587		4.745
Trichloroethene	ND	0.095	0.029	ND	0.510	0.153		4.745
2,2,4-Trimethylpentane	ND	0.949	0.176	ND	4.43	0.822		4.745
Heptane	ND	0.949	0.148	ND	3.89	0.607		4.745
cis-1,3-Dichloropropene	ND	0.095	0.056	ND	0.431	0.254		4.745
4-Methyl-2-pentanone	ND	2.37	0.906	ND	9.71	3.71		4.745
trans-1,3-Dichloropropene	ND	0.095	0.055	ND	0.431	0.248		4.745
1,1,2-Trichloroethane	ND	0.095	0.046	ND	0.518	0.251		4.745
Toluene	0.550	0.474	0.079	2.07	1.79	0.297		4.745
2-Hexanone	ND	0.949	0.168	ND	3.89	0.688		4.745
Dibromochloromethane	ND	0.095	0.038	ND	0.808	0.324		4.745
1,2-Dibromoethane	ND	0.095	0.043	ND	0.729	0.332		4.745
Tetrachloroethene	ND	0.095	0.035	ND	0.644	0.238		4.745
Chlorobenzene	ND	0.474	0.122	ND	2.18	0.562		4.745
Ethylbenzene	0.166	0.095	0.040	0.721	0.412	0.175		4.745



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-12 D

Client ID: IA-7_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 17:02

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
p/m-Xylene	0.698	0.190	0.085	3.03	0.825	0.371		4.745
Bromoform	ND	0.095	0.053	ND	0.981	0.545		4.745
Styrene	0.138	0.095	0.038	0.588	0.404	0.160		4.745
1,1,2,2-Tetrachloroethane	ND	0.095	0.032	ND	0.652	0.218		4.745
o-Xylene	0.289	0.095	0.041	1.26	0.412	0.179		4.745
4-Ethyltoluene	ND	0.095	0.047	ND	0.467	0.231		4.745
1,3,5-Trimethybenzene	ND	0.095	0.046	ND	0.467	0.224		4.745
1,2,4-Trimethylbenzene	ND	0.095	0.036	ND	0.467	0.177		4.745
Benzyl chloride	ND	0.474	0.158	ND	2.45	0.818		4.745
1,3-Dichlorobenzene	ND	0.095	0.037	ND	0.571	0.219		4.745
1,4-Dichlorobenzene	ND	0.095	0.036	ND	0.571	0.214		4.745
1,2-Dichlorobenzene	ND	0.095	0.029	ND	0.571	0.177		4.745
1,2,4-Trichlorobenzene	ND	0.237	0.069	ND	1.76	0.514		4.745
Naphthalene	ND	0.237	0.100	ND	1.24	0.522		4.745
Hexachlorobutadiene	ND	0.237	0.052	ND	2.53	0.557		4.745

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-13
 Client ID: OA-1_20250327
 Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:47
 Date Received: 03/28/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/25 22:40
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.502	0.200	0.076	2.48	0.989	0.374		1
Chloromethane	0.425	0.200	0.058	0.878	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	2.86	1.00	0.515	6.79	2.38	1.22		1
Trichlorofluoromethane	0.271	0.200	0.079	1.52	1.12	0.442		1
Isopropanol	0.931	1.00	0.272	2.29	2.46	0.669	J	1
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	0.134	0.500	0.125	0.466	1.74	0.434	J	1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	0.083	0.200	0.051	0.636	1.53	0.388	J	1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	0.123	0.500	0.099	0.363	1.47	0.292	J	1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	0.142	0.500	0.117	0.419	1.47	0.345	J	1



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-13

Client ID: OA-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:47

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	0.158	0.200	0.074	0.557	0.705	0.262	J	1
Benzene	0.096	0.200	0.064	0.307	0.639	0.205	J	1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	0.125	0.200	0.087	0.471	0.754	0.327	J	1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-13

Date Collected: 03/27/25 16:47

Client ID: OA-1_20250327

Date Received: 03/28/25

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	95		60-140



Project Name: USAI LIGHTING**Project Number:** 14.4337**Lab Number:** L2519127**Report Date:** 04/08/25**SAMPLE RESULTS**

Lab ID: L2519127-13

Client ID: OA-1_20250327

Sample Location: 1126 RIVER ROAD NEW WINDSOR, NY

Date Collected: 03/27/25 16:47

Date Received: 03/28/25

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 22:40

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Carbon tetrachloride	0.077	0.020	0.011	0.484	0.126	0.069		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
Tetrachloroethene	0.010	0.020	0.007	0.068	0.136	0.050	J	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	92		60-140



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/07/25 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-06,08-10,13 Batch: WG2050639-4								
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/07/25 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-06,08-10,13 Batch: WG2050639-4								
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/07/25 15:01

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-06,08-10,13 Batch: WG2050639-4								
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.190	0.059	ND	0.996	0.309		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 15:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 06-13 Batch: WG2050640-4								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Vinyl bromide	ND	0.200	0.043	ND	0.874	0.188		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Isopropanol	ND	1.00	0.249	ND	2.46	0.612		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tertiary butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
3-Chloropropene	ND	0.200	0.033	ND	0.626	0.102		1
Carbon disulfide	ND	0.200	0.032	ND	0.623	0.098		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Ethyl Acetate	ND	0.500	0.323	ND	1.80	1.16		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 15:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 06-13 Batch: WG2050640-4								
Tetrahydrofuran	ND	0.500	0.142	ND	1.47	0.419		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
2-Hexanone	ND	0.200	0.035	ND	0.820	0.145		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1



Project Name: USAI LIGHTING

Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/07/25 15:39

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 06-13 Batch: WG2050640-4								
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	0.017	0.050	0.015	0.126	0.371	0.108	J	1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1



Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 Batch: WG2050639-3								
Dichlorodifluoromethane	117		-		70-130	-		
Chloromethane	86		-		70-130	-		
Freon-114	120		-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	97		-		70-130	-		
Bromomethane	121		-		70-130	-		
Chloroethane	101		-		70-130	-		
Ethanol	82		-		40-160	-		
Vinyl bromide	121		-		70-130	-		
Acetone	113		-		40-160	-		
Trichlorofluoromethane	122		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	106		-		70-130	-		
Tertiary butyl Alcohol	83		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	108		-		70-130	-		
Freon-113	117		-		70-130	-		
trans-1,2-Dichloroethene	103		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	107		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 Batch: WG2050639-3								
Ethyl Acetate	105		-		70-130	-		
Chloroform	110		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	105		-		70-130	-		
n-Hexane	87		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
Benzene	85		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	81		-		70-130	-		
1,2-Dichloropropane	82		-		70-130	-		
Bromodichloromethane	97		-		70-130	-		
1,4-Dioxane	89		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	85		-		70-130	-		
Heptane	79		-		70-130	-		
cis-1,3-Dichloropropene	93		-		70-130	-		
4-Methyl-2-pentanone	79		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	109		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	130		-		70-130	-		
1,2-Dibromoethane	119		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 Batch: WG2050639-3								
Tetrachloroethene	122		-		70-130	-		
Chlorobenzene	116		-		70-130	-		
Ethylbenzene	109		-		70-130	-		
p/m-Xylene	113		-		70-130	-		
Bromoform	136	Q	-		70-130	-		
Styrene	117		-		70-130	-		
1,1,2,2-Tetrachloroethane	112		-		70-130	-		
o-Xylene	114		-		70-130	-		
4-Ethyltoluene	118		-		70-130	-		
1,3,5-Trimethylbenzene	119		-		70-130	-		
1,2,4-Trimethylbenzene	122		-		70-130	-		
Benzyl chloride	95		-		70-130	-		
1,3-Dichlorobenzene	125		-		70-130	-		
1,4-Dichlorobenzene	125		-		70-130	-		
1,2-Dichlorobenzene	125		-		70-130	-		
1,2,4-Trichlorobenzene	134	Q	-		70-130	-		
Naphthalene	106		-		70-130	-		
Hexachlorobutadiene	129		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 06-13 Batch: WG2050640-3								
Dichlorodifluoromethane	110		-		70-130	-		25
Chloromethane	81		-		70-130	-		25
Freon-114	111		-		70-130	-		25
Vinyl chloride	92		-		70-130	-		25
1,3-Butadiene	92		-		70-130	-		25
Bromomethane	110		-		70-130	-		25
Chloroethane	93		-		70-130	-		25
Ethanol	76		-		40-160	-		25
Vinyl bromide	116		-		70-130	-		25
Acetone	105		-		40-160	-		25
Trichlorofluoromethane	110		-		70-130	-		25
Isopropanol	86		-		40-160	-		25
1,1-Dichloroethene	99		-		70-130	-		25
Tertiary butyl Alcohol ¹	90		-		70-130	-		25
Methylene chloride	91		-		70-130	-		25
3-Chloropropene	86		-		70-130	-		25
Carbon disulfide	99		-		70-130	-		25
Freon-113	105		-		70-130	-		25
trans-1,2-Dichloroethene	92		-		70-130	-		25
1,1-Dichloroethane	91		-		70-130	-		25
Methyl tert butyl ether	98		-		70-130	-		25
2-Butanone	82		-		70-130	-		25
cis-1,2-Dichloroethene	90		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 06-13 Batch: WG2050640-3								
Ethyl Acetate	95		-		70-130	-		25
Chloroform	100		-		70-130	-		25
Tetrahydrofuran	91		-		70-130	-		25
1,2-Dichloroethane	95		-		70-130	-		25
n-Hexane	80		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	77		-		70-130	-		25
Carbon tetrachloride	91		-		70-130	-		25
Cyclohexane	74		-		70-130	-		25
1,2-Dichloropropane	73		-		70-130	-		25
Bromodichloromethane	88		-		70-130	-		25
1,4-Dioxane	81		-		70-130	-		25
Trichloroethene	89		-		70-130	-		25
2,2,4-Trimethylpentane	79		-		70-130	-		25
Heptane	73		-		70-130	-		25
cis-1,3-Dichloropropene	82		-		70-130	-		25
4-Methyl-2-pentanone	72		-		70-130	-		25
trans-1,3-Dichloropropene	89		-		70-130	-		25
1,1,2-Trichloroethane	84		-		70-130	-		25
Toluene	95		-		70-130	-		25
2-Hexanone	81		-		70-130	-		25
Dibromochloromethane	110		-		70-130	-		25
1,2-Dibromoethane	101		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 06-13 Batch: WG2050640-3								
Tetrachloroethene	105		-		70-130	-		25
Chlorobenzene	100		-		70-130	-		25
Ethylbenzene	94		-		70-130	-		25
p/m-Xylene	103		-		70-130	-		25
Bromoform	118		-		70-130	-		25
Styrene	100		-		70-130	-		25
1,1,2,2-Tetrachloroethane	96		-		70-130	-		25
o-Xylene	97		-		70-130	-		25
4-Ethyltoluene	103		-		70-130	-		25
1,3,5-Trimethylbenzene	104		-		70-130	-		25
1,2,4-Trimethylbenzene	105		-		70-130	-		25
Benzyl chloride	84		-		70-130	-		25
1,3-Dichlorobenzene	113		-		70-130	-		25
1,4-Dichlorobenzene	107		-		70-130	-		25
1,2-Dichlorobenzene	109		-		70-130	-		25
1,2,4-Trichlorobenzene	121		-		70-130	-		25
Naphthalene	98		-		70-130	-		25
Hexachlorobutadiene	114		-		70-130	-		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 QC Batch ID: WG2050639-5 QC Sample: L2519127-10 Client ID: IA-5_20250327						
Dichlorodifluoromethane	0.488	0.462	ppbV	5		25
Chloromethane	0.453	0.457	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	70.0	66.9	ppbV	5		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	23.9	23.9	ppbV	0		25
Trichlorofluoromethane	0.342	0.337	ppbV	1		25
Isopropanol	46.3	45.7	ppbV	1		25
Tertiary butyl Alcohol	0.378J	0.371J	ppbV	NC		25
Methylene chloride	0.263J	0.240J	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	0.095J	0.103J	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	1.36	1.34	ppbV	1		25
Ethyl Acetate	1.47	1.41	ppbV	4		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 QC Batch ID: WG2050639-5 QC Sample: L2519127-10 Client ID: IA-5_20250327						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	0.788	0.719	ppbV	9		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	4.00	4.11	ppbV	3		25
Benzene	0.097J	0.106J	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
Xylenes, Total	1.67	1.73	ppbV	4		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.11	1.12	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2519127
Report Date: 04/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-06,08-10,13 QC Batch ID: WG2050639-5 QC Sample: L2519127-10 Client ID: IA-5_20250327						
Ethylbenzene	0.261	0.270	ppbV	3		25
p/m-Xylene	1.17	1.20	ppbV	3		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.291	0.293	ppbV	1		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.504	0.537	ppbV	6		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.073J	0.079J	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: USAI LIGHTING

Project Number: 14.4337

Lab Number: L2519127

Report Date: 04/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 06-13 QC Batch ID: WG2050640-5 QC Sample: L2519127-10 Client ID: IA-5_20250327						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.021	0.022	ppbV	5		25
Carbon tetrachloride	0.070	0.072	ppbV	3		25
Trichloroethene	0.012J	0.012J	ppbV	NC		25
Tetrachloroethene	0.018J	0.018J	ppbV	NC		25

Project Name: USAI LIGHTING

Serial_No:04082519:07
Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2519127-01	VI-1_20250327	02652	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	10.0	0
L2519127-01	VI-1_20250327	789	6.0L Can	03/25/25	511198	L2516739-08	Pass	-29.2	-9.4	-	-	-	-
L2519127-02	VI-2_20250327	02672	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	10.9	9
L2519127-02	VI-2_20250327	1881	6.0L Can	03/25/25	511198	L2516739-06	Pass	-29.2	-7.5	-	-	-	-
L2519127-03	VI-3_20250327	02711	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	10.2	2
L2519127-03	VI-3_20250327	2112	6.0L Can	03/25/25	511198	L2516739-06	Pass	-29.0	-7.3	-	-	-	-
L2519127-04	VI-4_20250327	01548	Flow 3	03/25/25	511198		-	-	-	Pass	10.0	10.7	7
L2519127-04	VI-4_20250327	4761	6.0L Can	03/25/25	511198	L2516739-08	Pass	-29.2	-10.5	-	-	-	-
L2519127-05	VI-5_20250327	02724	Flow 4	03/25/25	511198		-	-	-	-	10.0	10.7	-
L2519127-05	VI-5_20250327	2973	6.0L Can	03/25/25	511198	L2516739-06	Pass	-29.2	-5.5	-	-	-	-
L2519127-06	IA-1_20250327	0236	Flow 1	03/25/25	511198		-	-	-	Pass	10.0	10.2	2
L2519127-06	IA-1_20250327	2262	6.0L Can	03/25/25	511198	L2516739-07	Pass	-29.2	-8.3	-	-	-	-
L2519127-07	IA-2_20250327	01618	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	3.3	101
L2519127-07	IA-2_20250327	3486	6.0L Can	03/25/25	511198	L2517003-03	Pass	-29.1	-23.0	-	-	-	-
L2519127-08	IA-3_20250327	01440	Flow 1	03/25/25	511198		-	-	-	Pass	10.0	10.7	7



Project Name: USAI LIGHTING

Serial_No:04082519:07
Lab Number: L2519127

Project Number: 14.4337

Report Date: 04/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2519127-08	IA-3_20250327	3598	6.0L Can	03/25/25	511198	L2517003-03	Pass	-29.2	-6.0	-	-	-	-
L2519127-09	IA-4_20250327	01588	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	9.9	1
L2519127-09	IA-4_20250327	4978	6.0L Can	03/25/25	511198	L2516739-08	Pass	-29.0	-8.3	-	-	-	-
L2519127-10	IA-5_20250327	01928	Flow 2	03/25/25	511198		-	-	-	Pass	10.0	9.0	11
L2519127-10	IA-5_20250327	1572	6.0L Can	03/25/25	511198	L2517003-03	Pass	-29.2	-8.7	-	-	-	-
L2519127-11	IA-6_20250327	01794	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	3.5	96
L2519127-11	IA-6_20250327	1593	6.0L Can	03/25/25	511198	L2516739-07	Pass	-29.1	-23.3	-	-	-	-
L2519127-12	IA-7_20250327	01615	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	3.1	105
L2519127-12	IA-7_20250327	5453	6.0L Can	03/25/25	511198	L2516739-06	Pass	-29.0	-23.6	-	-	-	-
L2519127-13	OA-1_20250327	0581	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	9.8	2
L2519127-13	OA-1_20250327	3149	6.0L Can	03/25/25	511198	L2516739-08	Pass	-29.1	-9.7	-	-	-	-
L2519127-14	UNUSED CAN #5430	01530	Flow 4	03/25/25	511198		-	-	-	Pass	10.0	3.4	99
L2519127-14	UNUSED CAN #5430	5430	6.0L Can	03/25/25	511198	L2516739-07	Pass	-29.3	-29.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/22/25 21:00
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-06

Date Collected: 03/21/25 16:00

Client ID: CAN 2254 SHELF 51

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/22/25 21:00
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-06
Client ID: CAN 2254 SHELF 51
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-06

Date Collected: 03/21/25 16:00

Client ID: CAN 2254 SHELF 51

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-07
Client ID: CAN 2650 SHELF 52
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/22/25 21:38
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-07
Client ID: CAN 2650 SHELF 52
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-07

Date Collected: 03/21/25 16:00

Client ID: CAN 2650 SHELF 52

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-07

Date Collected: 03/21/25 16:00

Client ID: CAN 2650 SHELF 52

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-07

Date Collected: 03/21/25 16:00

Client ID: CAN 2650 SHELF 52

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-07
Client ID: CAN 2650 SHELF 52
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/22/25 21:38
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-07

Date Collected: 03/21/25 16:00

Client ID: CAN 2650 SHELF 52

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-07

Date Collected: 03/21/25 16:00

Client ID: CAN 2650 SHELF 52

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	80		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-08
Client ID: CAN 2259 SHELF 53
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/22/25 22:15
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-08
Client ID: CAN 2259 SHELF 53
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-08

Date Collected: 03/21/25 16:00

Client ID: CAN 2259 SHELF 53

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-08

Date Collected: 03/21/25 16:00

Client ID: CAN 2259 SHELF 53

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-08
 Client ID: CAN 2259 SHELF 53
 Sample Location:

Date Collected: 03/21/25 16:00
 Date Received: 03/21/25
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	75		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-08
Client ID: CAN 2259 SHELF 53
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/22/25 22:15
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2516739
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2516739-08
Client ID: CAN 2259 SHELF 53
Sample Location:

Date Collected: 03/21/25 16:00
Date Received: 03/21/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2516739**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2516739-08

Date Collected: 03/21/25 16:00

Client ID: CAN 2259 SHELF 53

Date Received: 03/21/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	71		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	76		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517003
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2517003-03
Client ID: CAN 3653 SHELF 56
Sample Location:

Date Collected: 03/22/25 07:00
Date Received: 03/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/25 00:08
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517003
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2517003-03
Client ID: CAN 3653 SHELF 56
Sample Location:

Date Collected: 03/22/25 07:00
Date Received: 03/22/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2517003**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2517003-03

Date Collected: 03/22/25 07:00

Client ID: CAN 3653 SHELF 56

Date Received: 03/22/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2517003**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2517003-03

Date Collected: 03/22/25 07:00

Client ID: CAN 3653 SHELF 56

Date Received: 03/22/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.059	ND	0.996	0.309		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2517003**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2517003-03

Date Collected: 03/22/25 07:00

Client ID: CAN 3653 SHELF 56

Date Received: 03/22/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517003
Report Date: 04/08/25

Air Canister Certification Results

Lab ID: L2517003-03
Client ID: CAN 3653 SHELF 56
Sample Location:

Date Collected: 03/22/25 07:00
Date Received: 03/22/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/25 00:08
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2517003**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2517003-03

Date Collected: 03/22/25 07:00

Client ID: CAN 3653 SHELF 56

Date Received: 03/22/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2517003**Project Number:** CANISTER QC BAT**Report Date:** 04/08/25**Air Canister Certification Results**

Lab ID: L2517003-03

Date Collected: 03/22/25 07:00

Client ID: CAN 3653 SHELF 56

Date Received: 03/22/25

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140



Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2519127-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2519127-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2519127-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2519127-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2519127-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2519127-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2519127-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2519127-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2519127-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2519127-10A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2519127-11A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2519127-12A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2519127-13A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2519127-14A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25

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 LIGHTING
Project Number: 14.4337

Lab Number: L2519127
Report Date: 04/08/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: USAI LIGHTING
Project Number: 14.4337

Lab Number: L2519127
Report Date: 04/08/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: USAI LIGHTING**Lab Number:** L2519127**Project Number:** 14.4337**Report Date:** 04/08/25

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

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Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**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.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**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 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).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

AIR ANALYSIS

PAGE 1 OF 2



CHAIN OF CUSTODY

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

Client Information

Client: C.T. Male Associates

Address: 50 Century Hill Drive
Latham NY 12110

Phone: 518-786-7400

Fax:

Email: j.mciver@ctmale.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments: Regulators 01618, 01794, and 01615 ran slow,
Project-Specific Target Compound List: ☐ per conversation w/ Chris Anderson in field.

Project Information

Project Name: USA1 Lighting

Project Location: 1126 Rivv Road
New Windsor NY

Project #: 14.4337

Project Manager: Jeff Marx

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 3/29/25

Report Information - Data Deliverables

☐ FAX☒ ADEx

Criteria Checker:

(Default based on Regulatory Criteria indicated)

Other Formats:

☒ EMAIL (standard pdf report)☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L2519127

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

Please also send report
to m.loughlin@ctmale.com

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15	APH	Fixed	Sulfides		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
19127-01	VI-1_20250327	3/27/25	9:06	16:08	-30.58	-9.48	SV	ML	6L	789	02652	✓							
02	VI-2_20250327	3/27/25	9:20	16:20	-30.03	-7.98	SV	ML	6L	1881	02672	✓							
03	VI-3_20250327	3/27/25	9:35	16:29	-29.71	-7.60	SV	ML	6L	2112	02711	✓							
04	VI-4_20250327	3/27/25	8:48	15:50	-30.45	-10.85	SV	ML	6L	4761	01548	✓							
05	VI-5_20250327	3/27/25	8:34	14:27	-30.18	-5.68	SV	ML	6L	2973	2427	✓							
06	IA-1_20250327	3/27/25	8:43	16:03	-30.68	-8.32	indoor AA	ML	6L	2262	0236	✓/✓							
07	IA-2_20250327	3/27/25	9:18	17:05	-30.66	-23.46	indoor AA	ML	6L	3486	01618	✓/✓							Ran Slow
08	IA-3_20250327	3/27/25	9:32	16:12	-30.70	-6.04	indoor AA	ML	6L	3598	01440	✓/✓							
09	IA-4_20250327	3/27/25	8:35	15:58	-30.76	-8.48	indoor AA	ML	6L	4978	01588	✓/✓							
10	IA-5_20250327	3/27/25	9:23	16:44	-30.66	-9.14	indoor AA	ML	6L	1572	01928	✓/✓							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

SUMMA
6L

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:

Anthony Green

Chris Anderson

Anthony Green

MAR 28 2025

3/24/25 0730

Project-Specific Target Compound List: ☐

Time:

Please also send results to m.loughlin@ctmale.com

Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

*SAMPLE MATRIX CODES

Date/Time:

3/28/25 1032
3/28/25 1402

Anthony Green
Case # 100-1000000

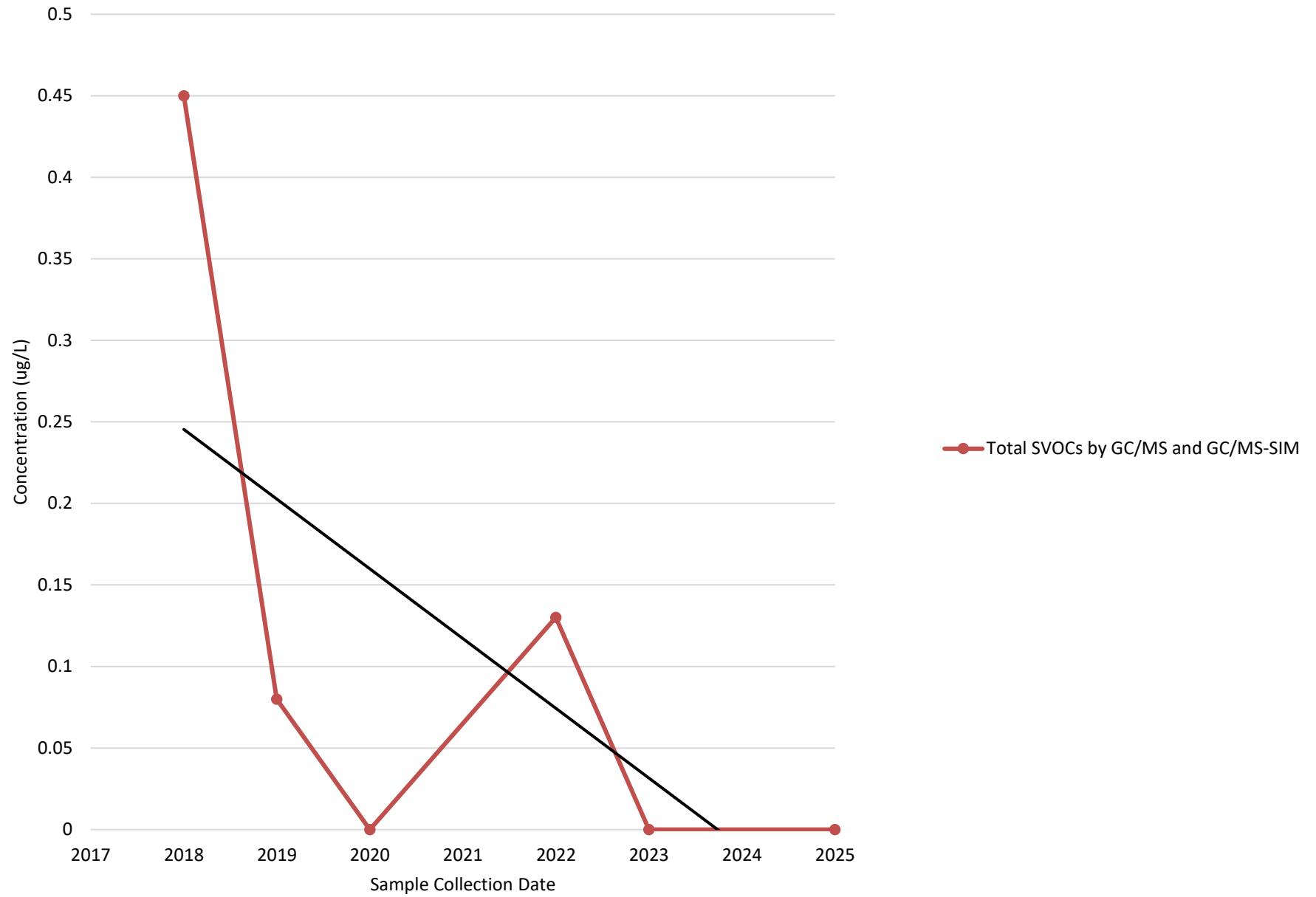
MAR 28 2025 2015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

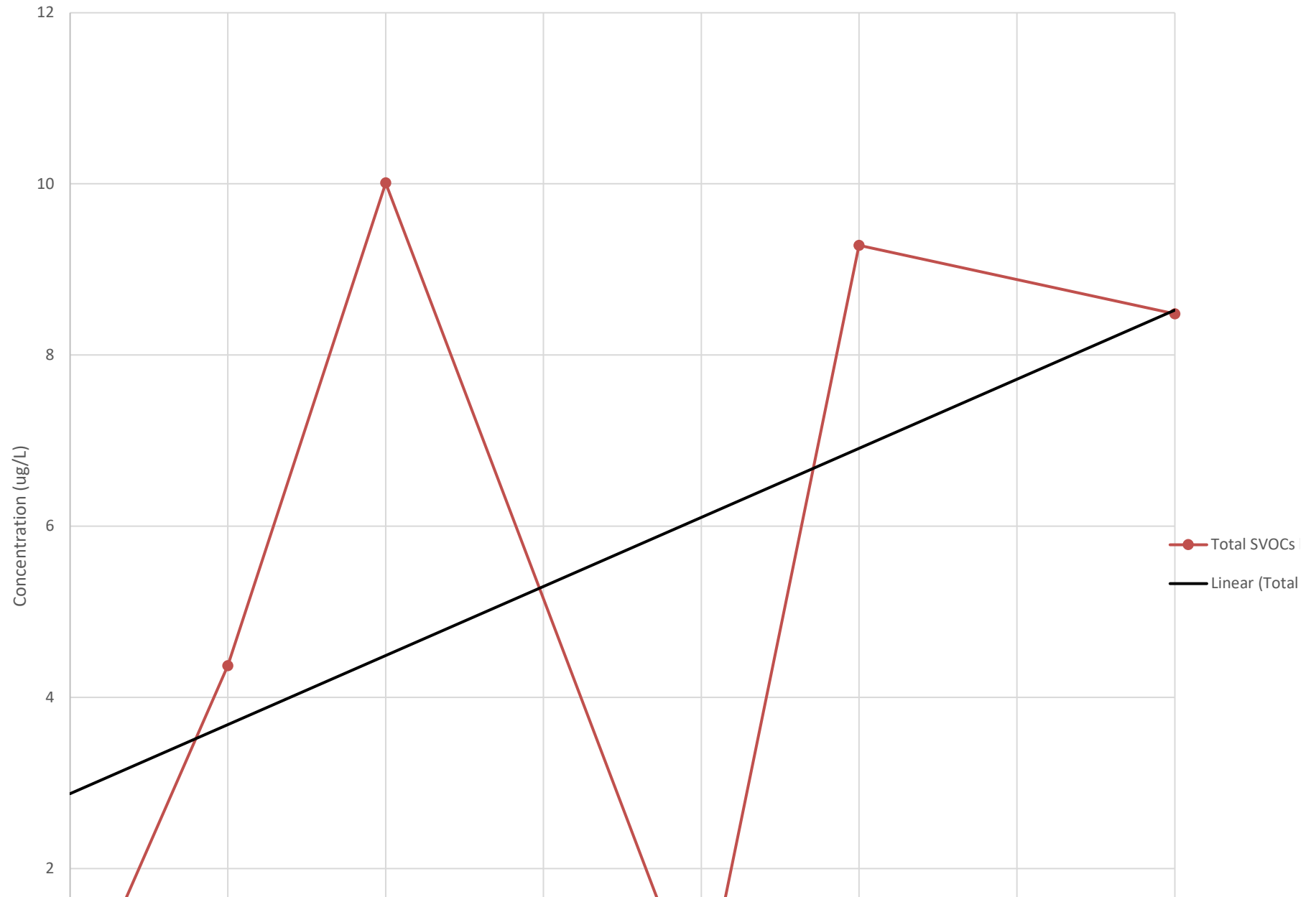
240 145 3/29/25 0730

Attachment E Trend Analyses

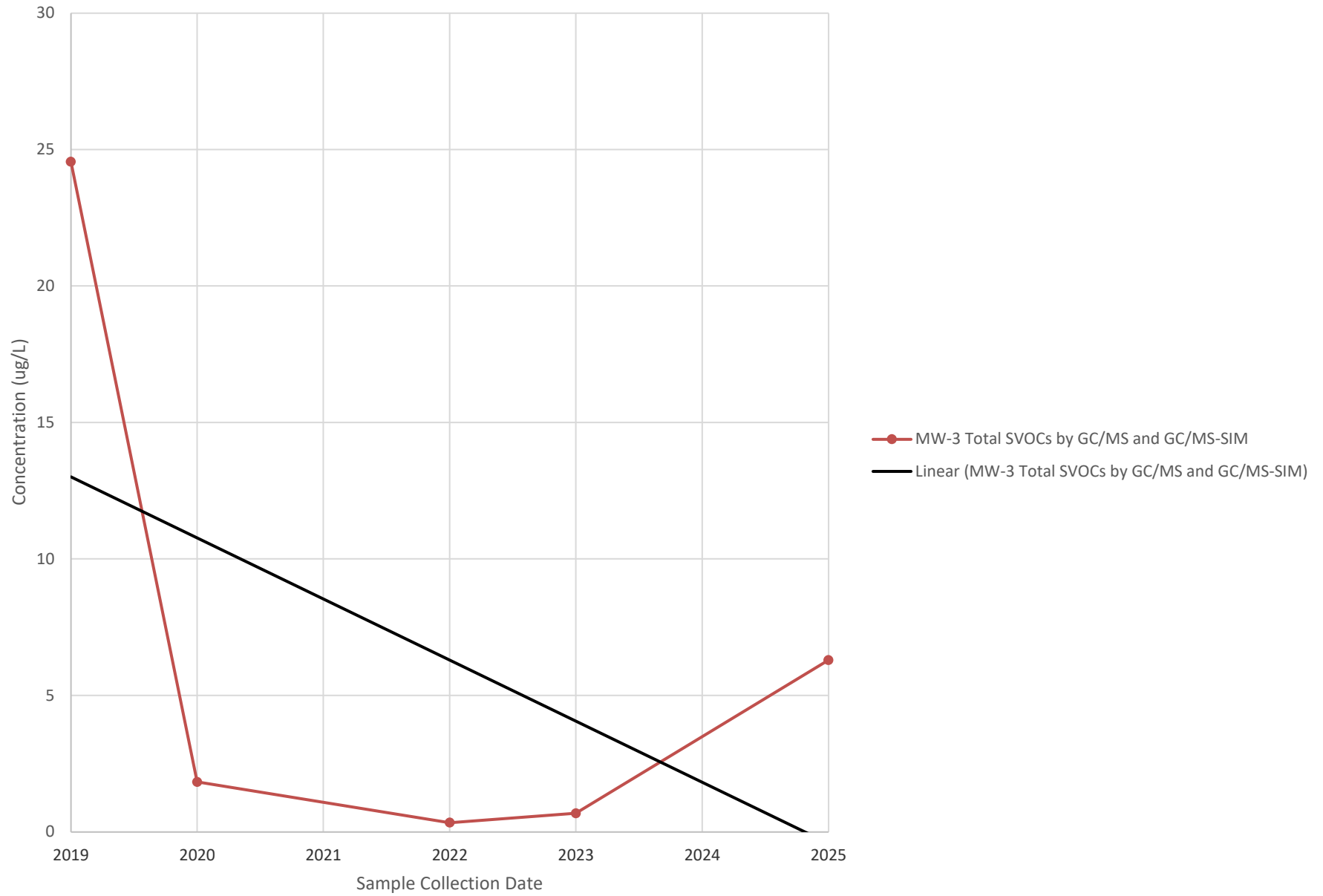
MW-1 Total SVOCs by GC/MS and GC/MS-SIM



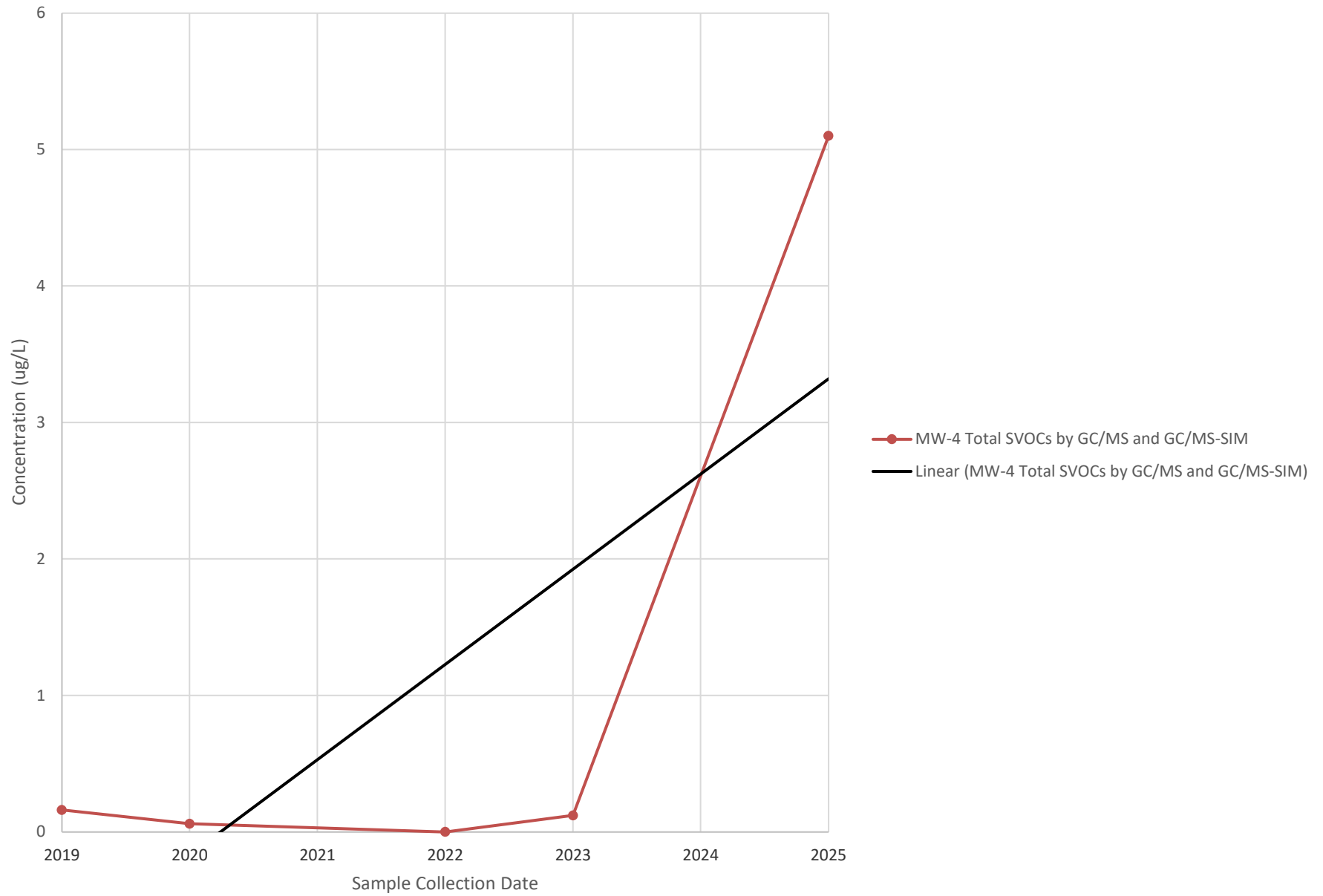
MW-2 Total SVOCs by GC/MS and GC/MS-SIM



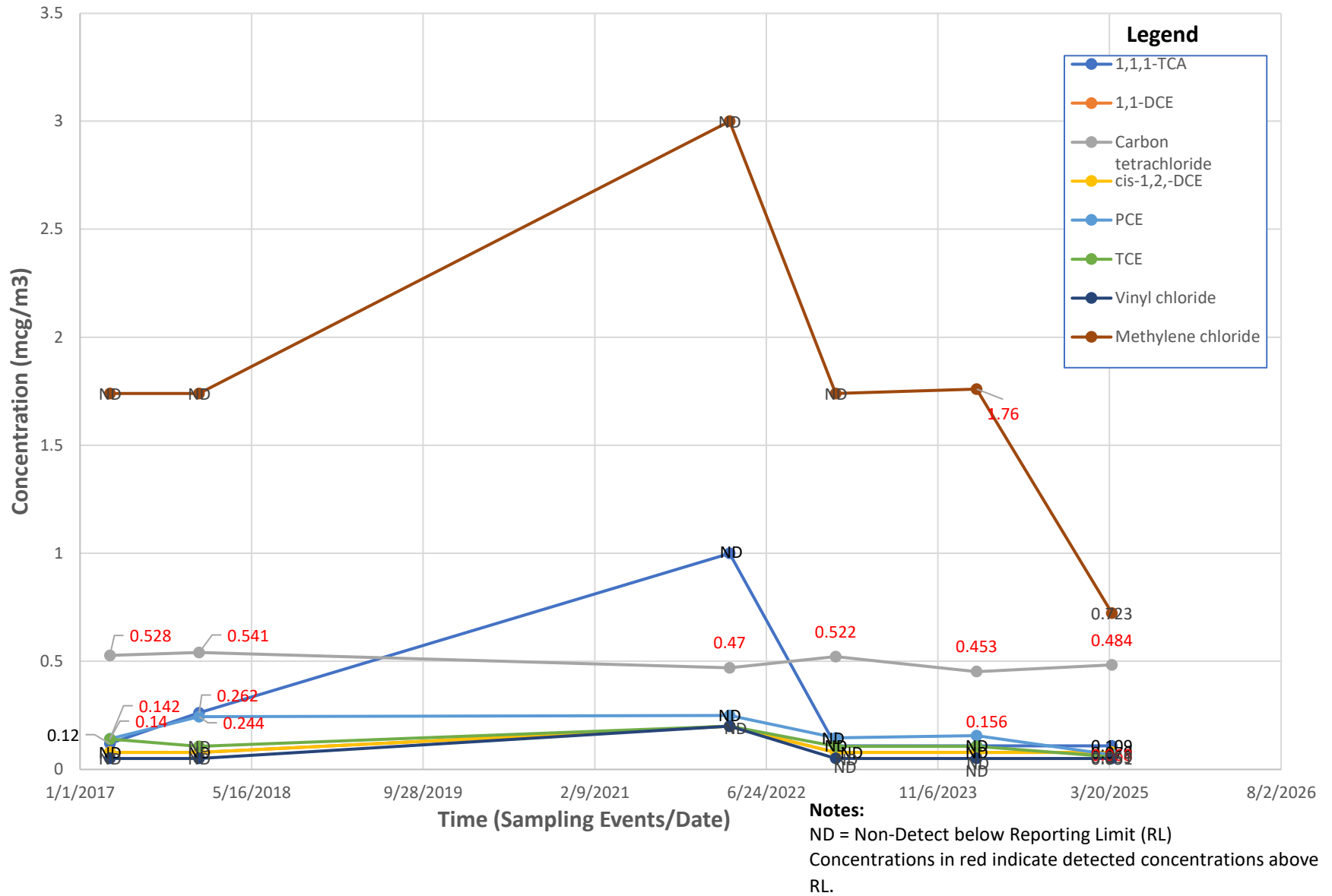
MW-3 Total SVOCs by GC/MS and GC/MS-SIM



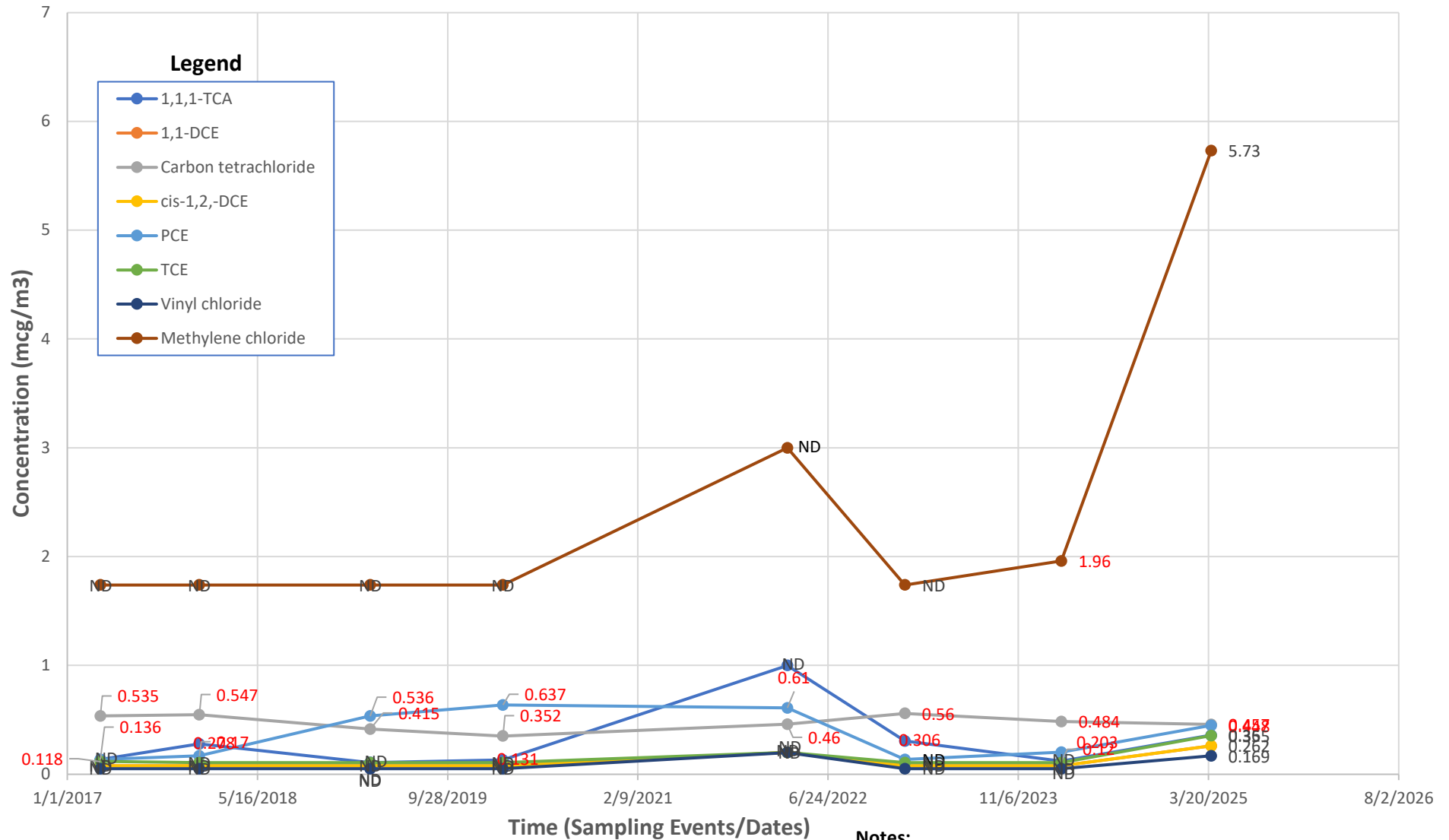
MW-4 Total SVOCs by GC/MS and GC/MS-SIM



USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location IA-1 (AREA 4 - ADJACENT TO 2-STORY OFFICE BUILDING)

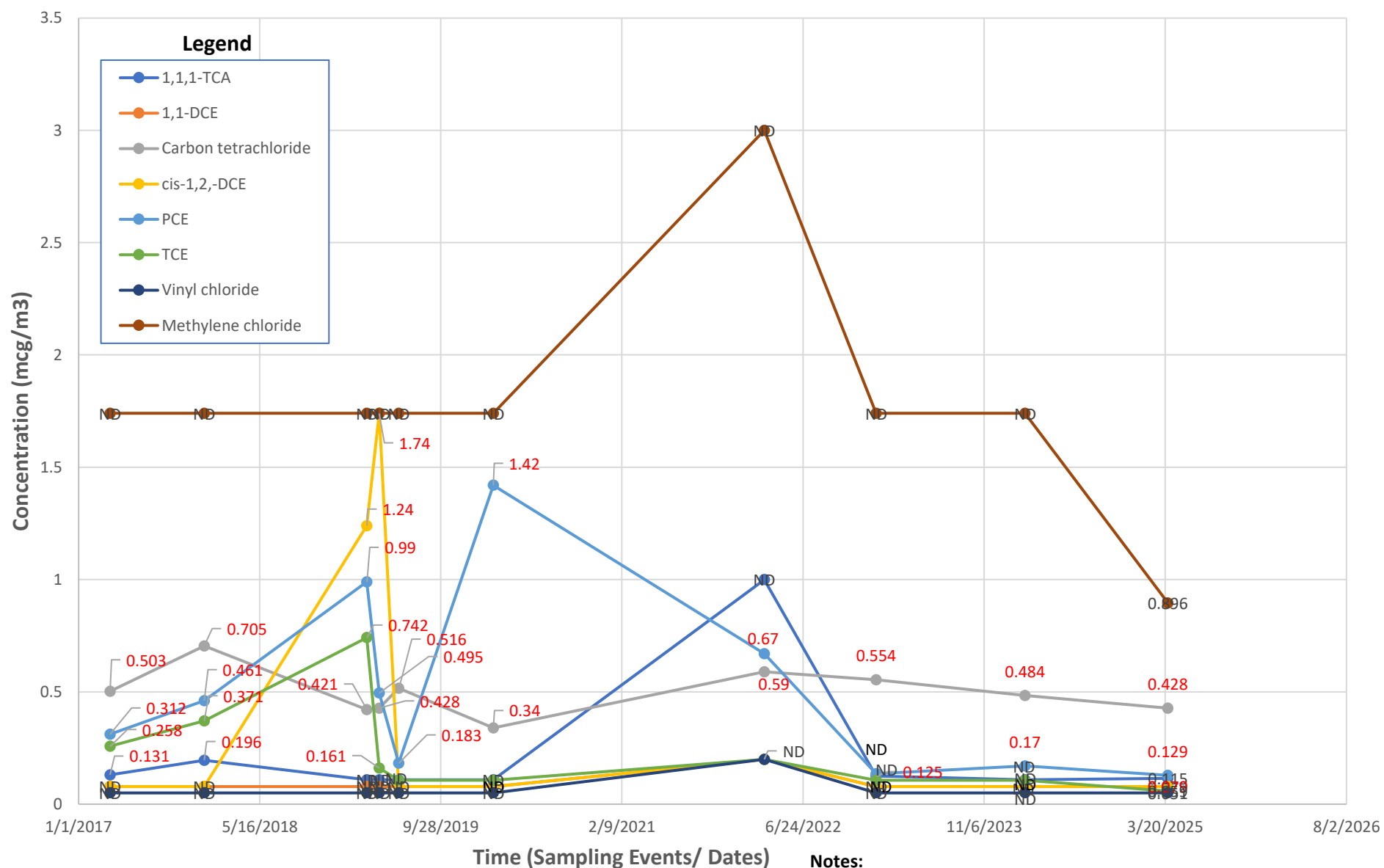


USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location IA-2 (AREA 3A - PRODUCTION AREA)



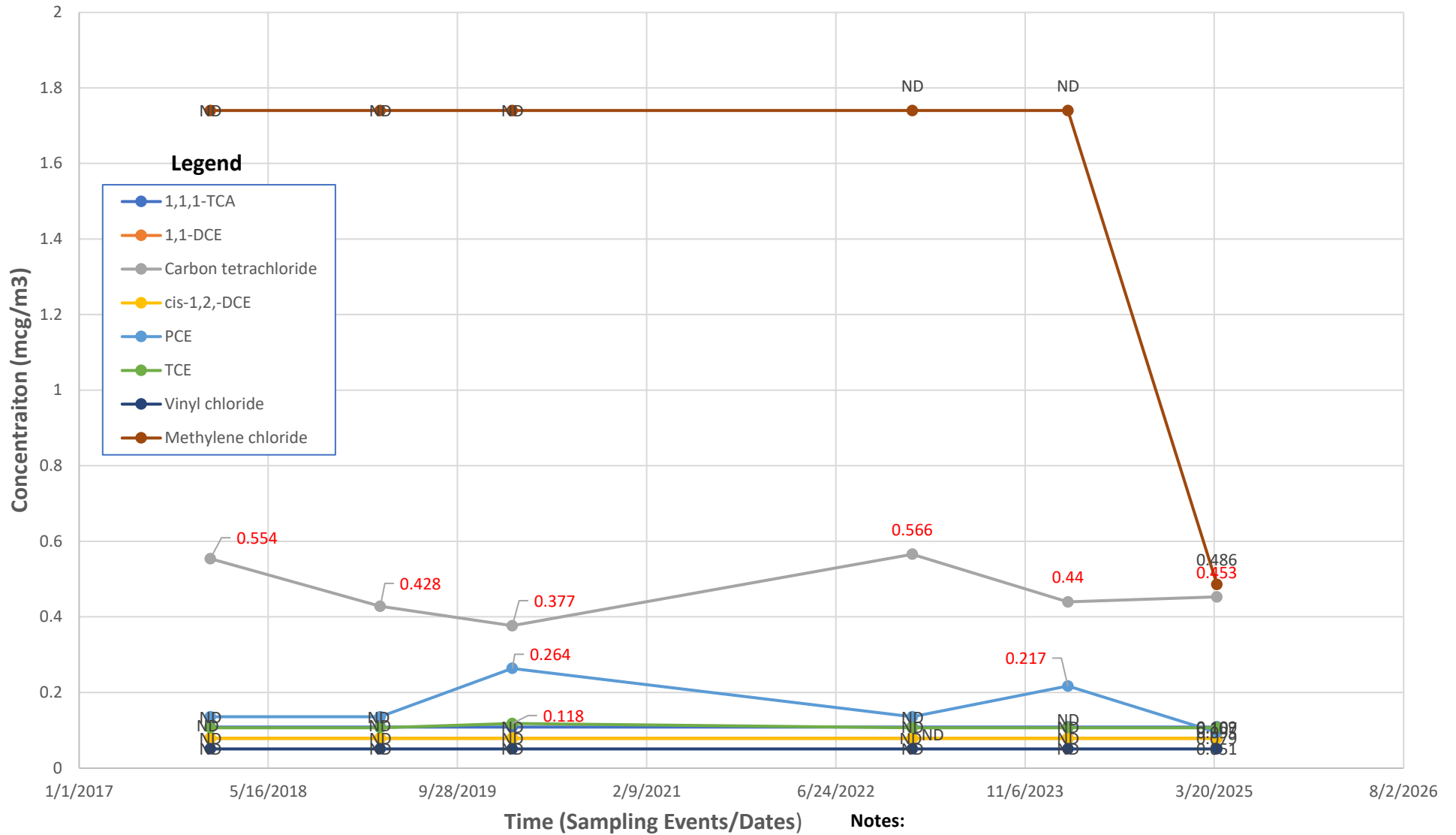
Notes:
 ND = Non-Detect below Reporting Limit (RL)
 Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location IA-3 (AREA 2 - OFFICE SPACE IN PRODUCTION AREA)



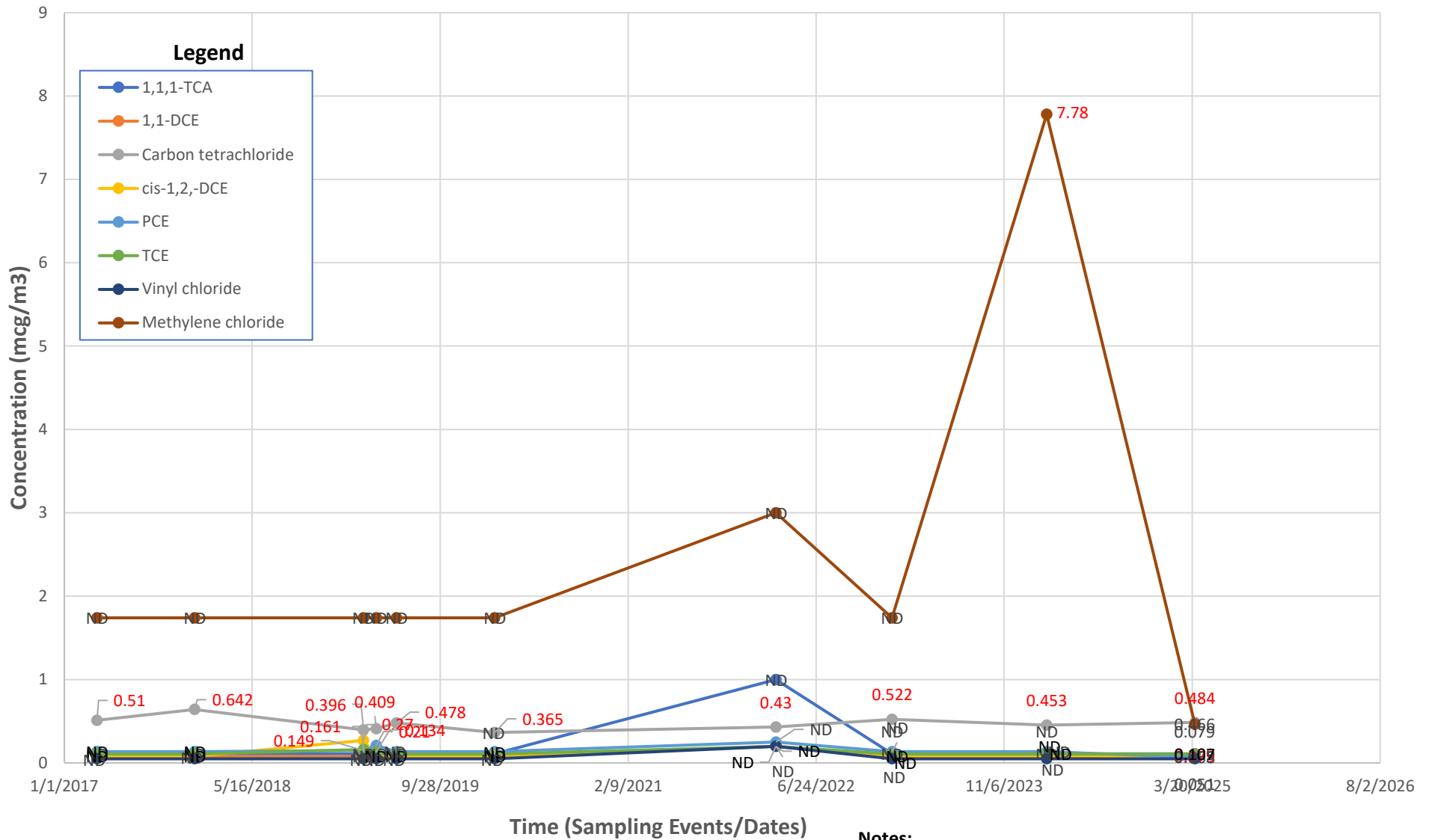
Notes:
 ND = Non-Detect below Reporting Limit (RL)
 Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location IA-4 (AREA 8 - 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 2017-2025 Sampling Location OA-1 (OUTDOOR AIR)

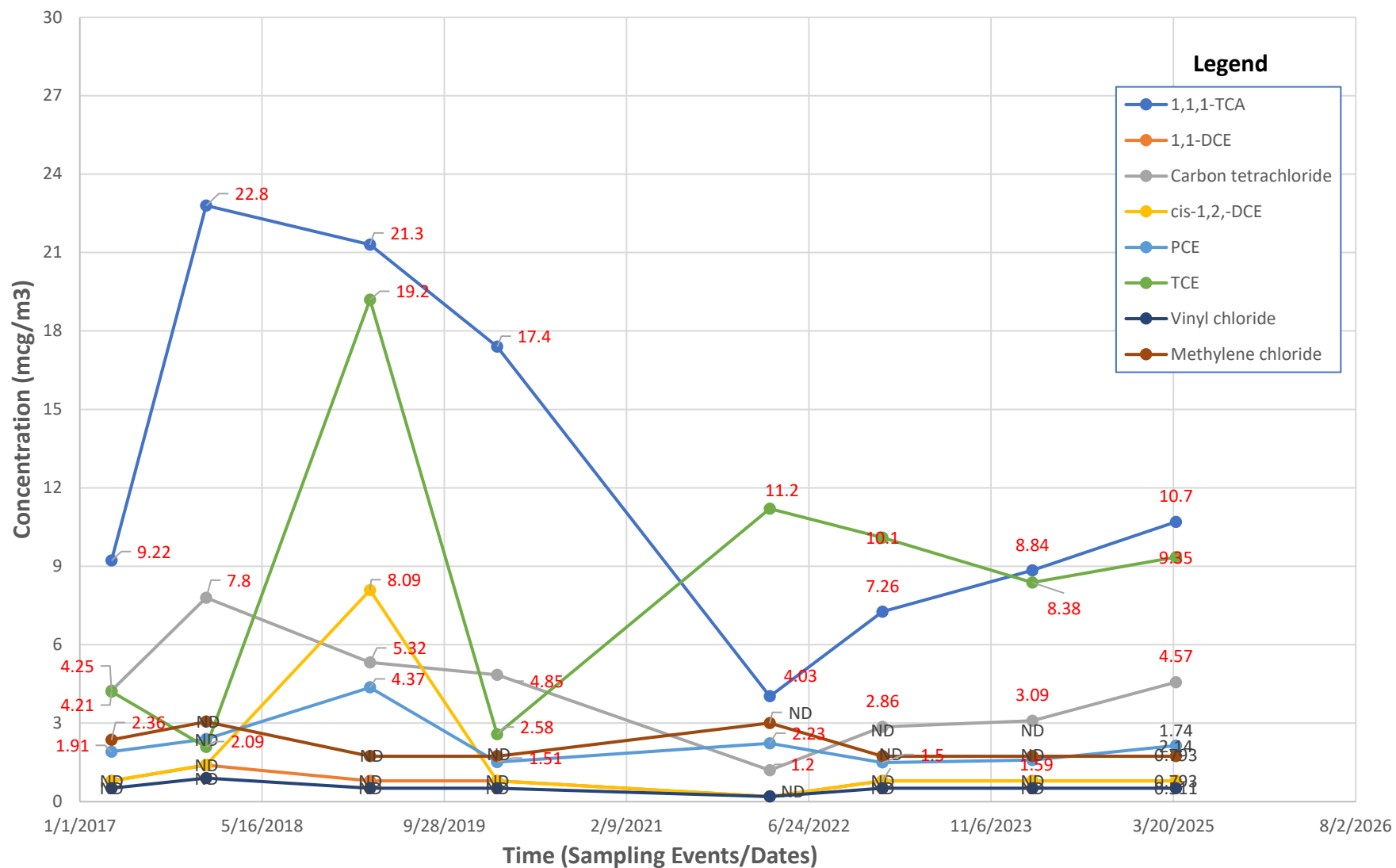


Notes:

ND = Non-Detect below Reporting Limit (RL)

Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location VI-1 (AREA 3A - PRODUCTION AREA)

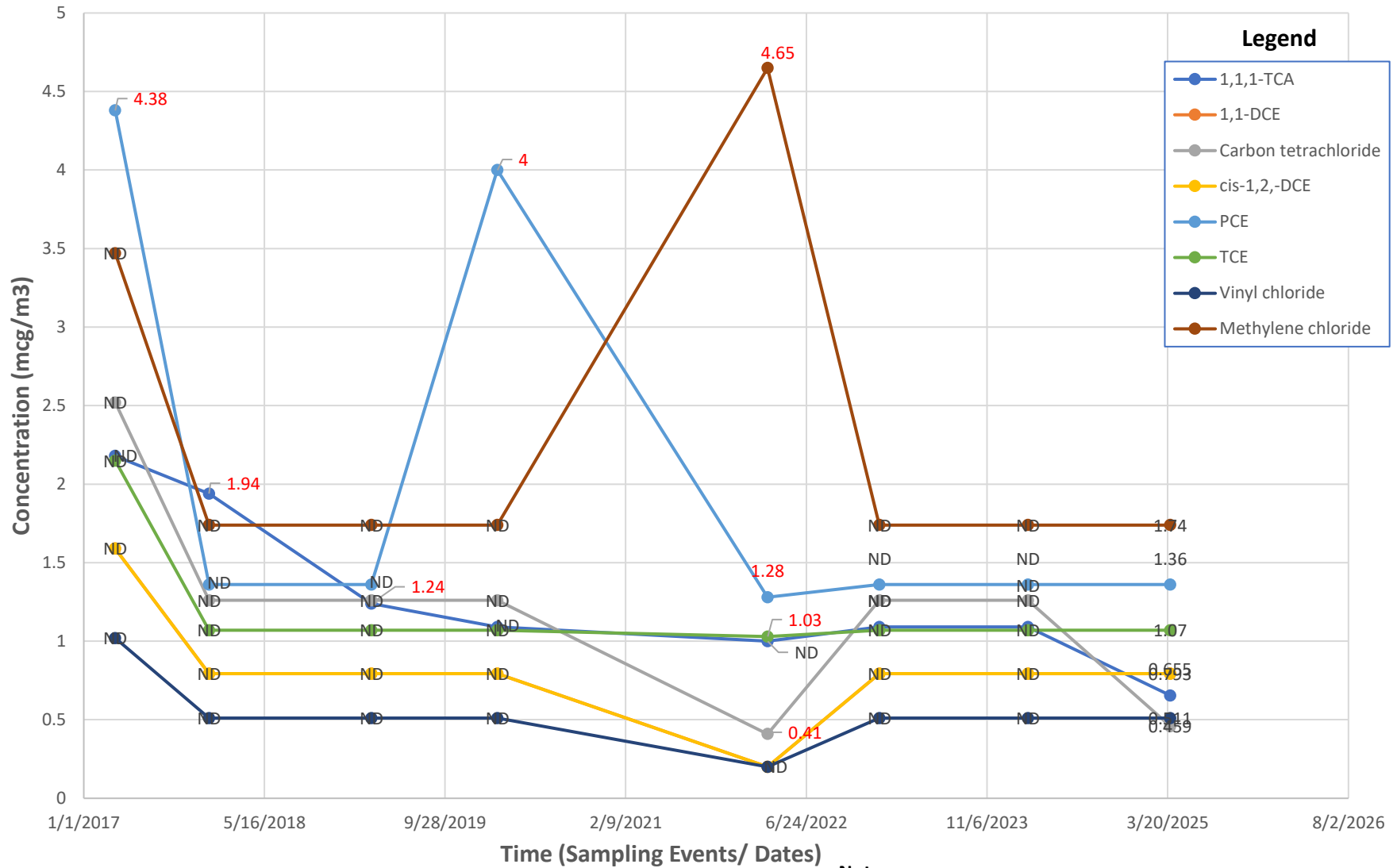


Notes:

ND = Non-Detect below Reporting Limit (RL)

Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location VI-2 (AREA 3A - PRODUCTION AREA)

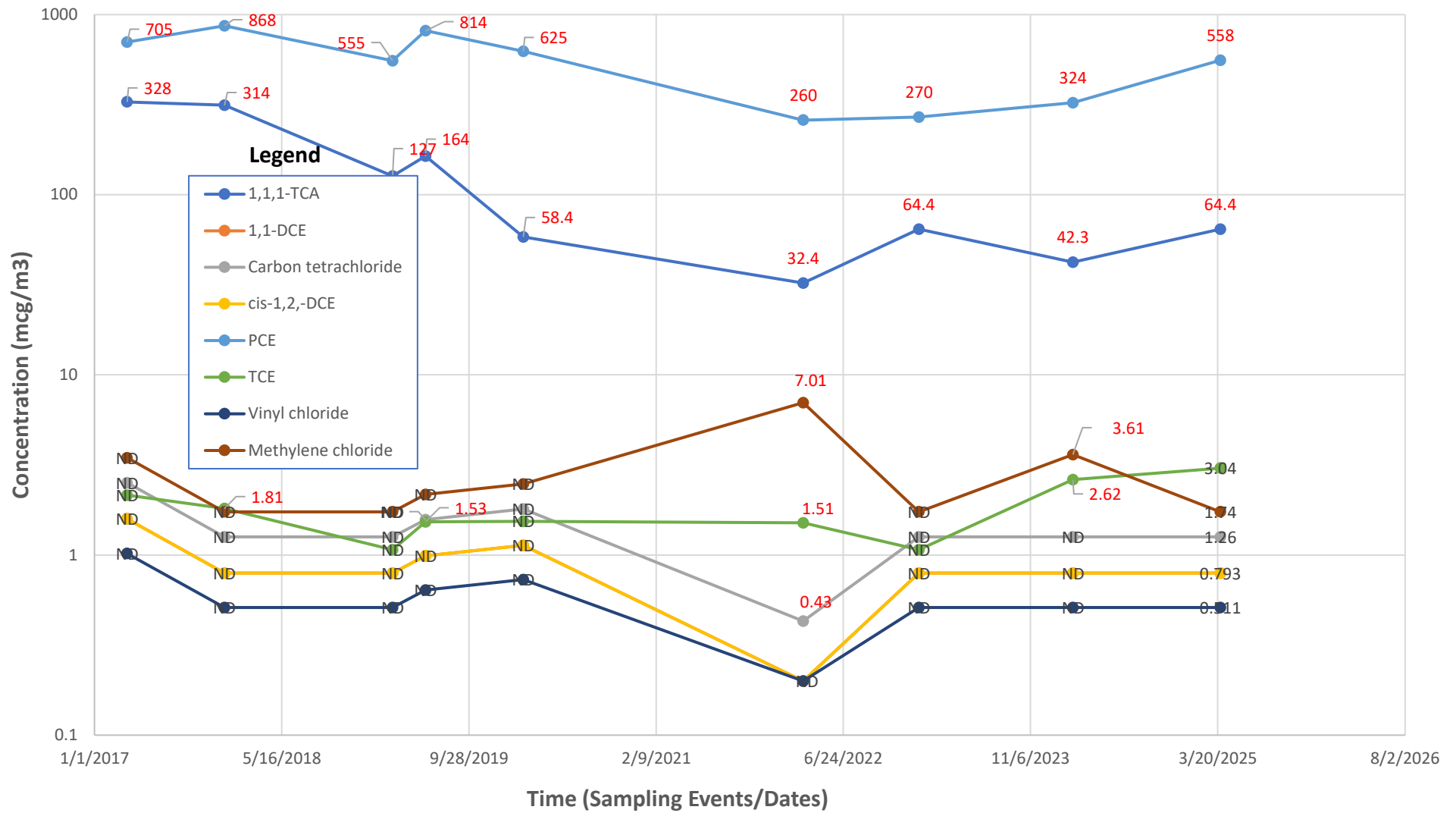


Notes:

ND = Non-Detect below Reporting Limit (RL)

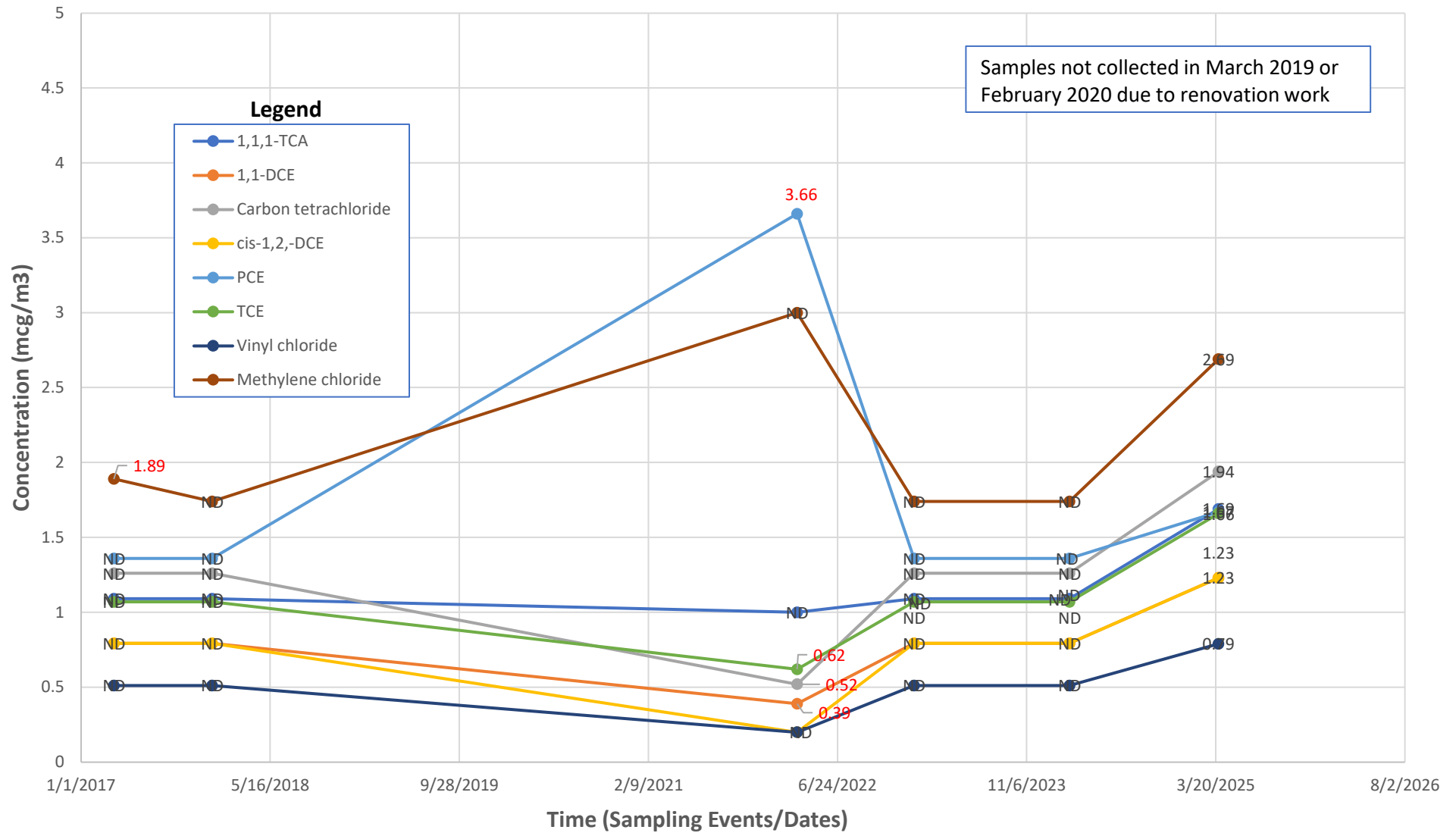
Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location VI-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 2017-2025
Sampling Location VI-4 (AREA 4 - ADJACENT TO 2-STORY OFFICE BUILDING)

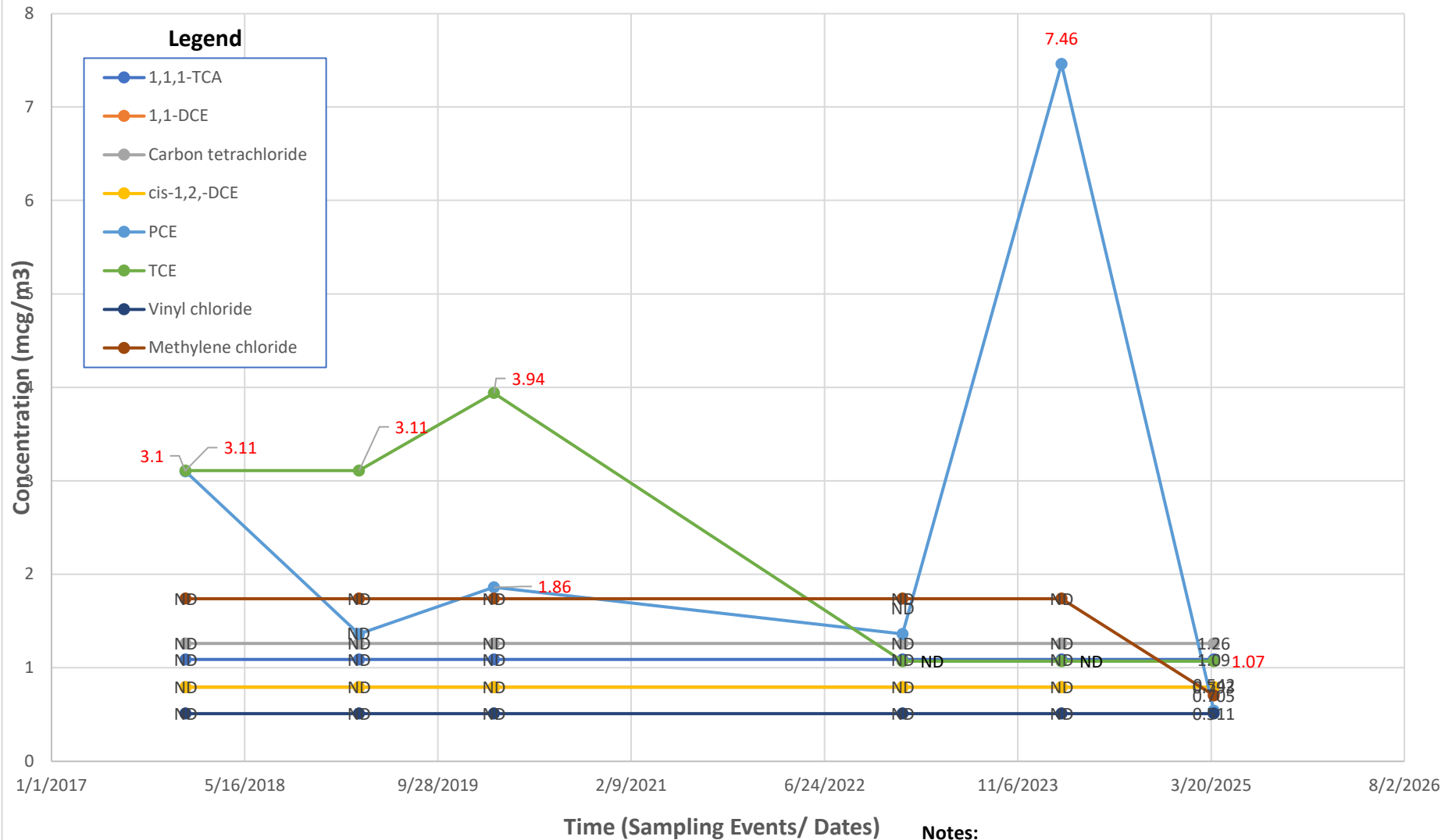


Notes:

ND = Non-Detect below Reporting Limit (RL)

Concentrations in red indicate detected concentrations above RL.

USAI Lighting Facility Soil Vapor/ Air Data 2017-2025 Sampling Location VI-5 (AREA 8 - 2-STORY OFFICE BUILDING)



Notes:

ND = Non-Detect below Reporting Limit (RL)

Concentrations in red indicate detected concentrations above RL.

Attachment F
SVI – Structure Sampling Building
Questionnaire

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No.: BCP site No. 0336087 Site Name: USA1 LightingDate: 3/27/2025 Time: 12:20Structure Address: 1126 River Road, New Windsor, NYPreparer's Name & Affiliation: Mary Loughlin, C.T. Male AssociatesResidential? ☐ Yes ☒ No Owner Occupied? ☒ Yes ☐ No Owner Interviewed? ☐ Yes ☒ NoCommercial? ☒ Yes ☐ No Industrial? ☒ Yes ☐ No Mixed Uses? ☐ Yes ☒ NoIdentify all non-residential use(s): Light fixture manufacturer/assembly/officesOwner Name: USA1 Lighting Owner Phone: (845) 565 - 8500

Secondary Owner Phone: () _____

Owner Address (if different): Same as aboveOccupant Name: Mike Griffin/Frank Dilauro Occupant Phone: (845) 565 - 8500 x182
Plant/operation Managers

Secondary Occupant Phone: () _____

Number & Age of All Persons Residing at this Location: 100+ workers / variable ages

Additional Owner/Occupant Information: _____

Describe Structure (style, number floors, size): partial 2-story office spaces (Area 8),
one-story slab on grade warehouseApproximate Year Built: 1890 Is the building Insulated? ☒ Yes ☐ No PartialLowest level: ☒ Slab-on-grade ☐ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space): uses? shipping, production/assembly
areas for light fixtures, stock rooms/warehouse storage, receiving, officesFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed: _____Floor Condition: ☒ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt) some cracks -Sumps/Drains? ☒ Yes ☐ No Describe: No interior sumps - two (2) Sealed + sealIdentify other floor penetrations & details: SSDS floor penetrations in areas is generally
of the building on a drain. in good8, 4, and 5. Area 8 was renovated ~2022 + SSDS pipe is behind sheetrock
wall.Wall Construction: ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations: None observed in office spaces. Wall penetrations
for old utilities/conduits observed throughout stock rooms/warehouse areas.Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc): No staining/water/seepage
observed. Sealed floor cracks identified throughout building slab. seals appear
to be in good
condition.Heating Fuel: ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other: _____Heating System: ☒ Forced Air ☐ Hot Water ☐ Other: _____Hot Water System: ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other: _____Clothes Dryer: ☐ Electric ☐ Gas Where is dryer vented to? No dryersIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.): NoCombustionFans & Vents (Identify where fans/vents pull air from and where they vent/exhaust to): Floor fans identified in productionarea - vent/draw air from production area. central air in office spaces -
draw air from above drop ceiling / office spaces.

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

Production activities: painting, Vinyl sheeting, Package wrap, cleaning chemicals use + Storage

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☒ Yes ☐ No What/Where ? office areas: Areas 3, 4 (partial), and 8.

Recent painting or staining ? ☒ Yes ☐ No Where ? Painting of fixtures in production / assembly area (3A)

Any solvent or chemical-like odors ? ☐ Yes ☒ No Describe : None observed

Last time Dry Cleaned fabrics brought in ? None / N/A What / Where ? None / N/A

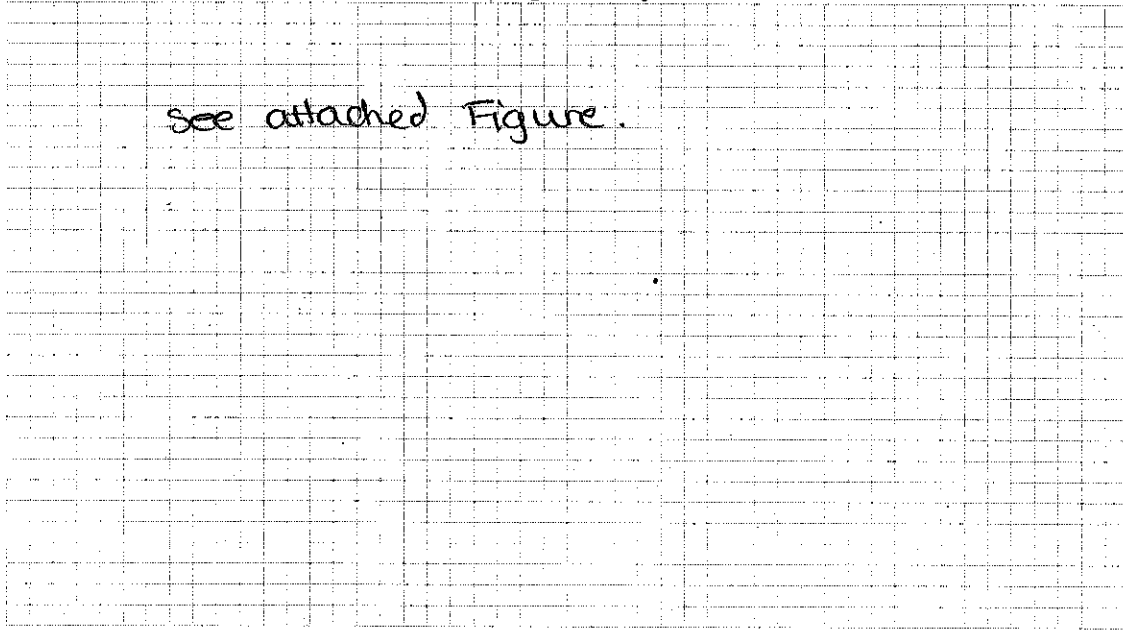
Do any building occupants use solvents at work ? ☒ Yes ☐ No Describe : cleaning chemicals, Paints

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

Partial passive SSDS system installed in areas 4, 5, and 8

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Structure Sampling - Product Inventory

Page 1 of 4

Area 2 (Adjacent to VI-3 & 1A-3)

Homeowner Name & Address: USA Lighting / 1126 River Road, New Windsor, NY Date: 3/27/25

Samplers & Company: Mary Loughlin / Beth Rigby, C.T. Male Structure ID: 01

Site Number & Name: Site No. C336087 Phone Number: 845-565-8600

Make & Model of PID: Mini Rae 3000 PID 11.7ev Lamp Date of PID Calibration: 3/27/25

Identify any Changes from Original Building Questionnaire: No changes

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Grems Be Groom Hand Sanitizer Gel	6	Ethyl alcohol, water, isopropyl alcohol, glycerin, carborer, aminomethyl propanol, fragrance, propylene glycol, isopropyl myristate, aloe barbadensis leaf juice, tocopheryl acetate	0.6 ppm	Area 3A
Fabreeze 10 Limer 3 Sky 4 Aloha	10/4	Limer 3 Sky ethanol (SDS) Aloha ethanol (SDS)	0.7 ppm	Area 3A
Pledge Lemon Clean	4	water, lubricant blend, naphtha petroleum light, nitrogen, polyoxyethylene sorbitan monooleate	0.8 ppm	Area 3A
Avocet 75% Alc. Disinfection	3	Non-woven cloth, purified water, medical alcohol (no SDS found)	1.3 ppm	Area 3A
Microban 24 hour Sanitizing Spray	2	nitrogen, quaternary ammonium compounds, benzyl-12-16- alkyldimethyl chlorides, didecyl dimethyl ammonium chloride, ethanol (per SDS)	1.1 ppm	Area 3A
Uline Hand Soap	10	ammonium lauryl sulfate, ammonium laureth sulfate, disodium cocamidopropylacetate, peg-80 glyceryl cucate, propylene glycol	0.7 ppm	Area 3A
Clorox Bleach (premixed) Wipes	2	sodium hypochlorite per SDS: no other substances which at their given concentration are considered to be hazardous to health	0.7 ppm	Area 3A

Background
PID
0.4 ppm

Structure Sampling - Product Inventory

Page 2 of 4

Homeowner Name & Address: USA1 Lighting / 1126 River Rd New Windsor Date: 3/27/25
 Samplers & Company: Mary Laughlin / Beth Rigby Structure ID: 01
 Site Number & Name: Site No C336087 Phone Number: 845-565-8500
 Make & Model of PID: Mini Rae 3000 PID w/11.7eV lamp Date of PID Calibration: 3/27/25
 Identify any Changes from Original Building Questionnaire: No changes

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Lysol Disinfectant Spray Fresh Scent	2 open + 1 case of 12 sealed	ethanol butane propane (see SDS) see Lysol Disinfectant spray morning breeze below for a complete list.	0.8 ppm	Area 3A
Porell Surface Disinfectant	1	ethyl alcohol isopropyl alcohol	0.8 ppm	Area 3A
Glade Clear Linen Aerosol Spray	2	water, isobutane, propane, monosodium phosphate, sorbitan monostearate, fragrance	0.7 ppm	Area 3A
Lysol Toilet Bowl Cleaner	3	sodium hypochlorite solution (Cl active), N,N-dimethyltetradylamine N-oxide, sodium hydroxide (see SDS)	0.9-1.0 ppm	Area 3A
Lysol Disinfectant Spray Early Morning Breeze	9	alcohol 38B, benzeneethanolamine, water, butane, propane, monoethanolamine, fragrance, MEA Borate, aluminum hydroxide, dodecylhydrazine-tetramethylammonium, hexyl cinnamal, benzyl acetate, d-limonene, diethylglycol ether 2-6-dimethyl-7-octyl-2-oxo, gamma decalactone, linalool, butylphenyl methylpropyl, isobutane, 1-butyl alcohol	1.5 ppm	Area 3A
Porell Hand San.	12	ethyl alcohol, water, isopropyl alcohol, caprylyl glycol, glycerin, isopropyl myristate, tocopheryl acetate, acrylates, amine methyl propyl, fragrance	0.7 ppm	Area 3A
Weiman Stainless Steel (empty)	1	poly(oxy-1,2-ethanediy), alpha-unsaturated-omega-hydroxy alcohols (C12-15 ethoxylated) per SDS	8.2 ppm (open)	Area 3A

Structure Sampling - Product Inventory

Page 3 of 4

Homeowner Name & Address: USA1 Lighting / 1126 River Road New Windsor Date: 3/27/25
 Samplers & Company: Mary Louglin / E Righty CTM Structure ID: 01
 Site Number & Name: Site No C376087 Phone Number: 845-565-8500
 Make & Model of PID: Mini. Roe 3000 PID 11.7eV Lamp Date of PID Calibration: 3/27/25
 Identify any Changes from Original Building Questionnaire: No changes

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
PAWN Professional Detergent	10	Water, sodium lauryl sulfate, alkyl dimethylamine oxide, decet-8, C9-11 Alketh-8, PPG-26, sodium chloride, DEI-14 PPG-26, PPG-14 Copolymer, Fragrances, phenoxyethanol, methylisothiazolinone, colorants, fragrance allergens (sds)	0.6 ppm	Area 3A
Purell Hand Sanitizing Wipes	1	ethyl alcohol isopropyl alcohol (sds)	3.4 ppm	Area 3A
Uline Disinfecting Wipes Lemon Scent	1/2	R-p-mentha, 1-8 diene d-limonene (sds)	21.3 ppm	Area 3A
Medi-Rod Protective Coating Bandage Spray	1	benzethonium chloride, benzocaine, pvp-va copolymer, ethanol, isobutane/propane n-butane mix (sds)	0.7 ppm	Area 3A
Medi-Rod Blood Clotting Spray	1	benzethonium chloride, lidocaine, isobutane, propane (sds)	0.9 ppm	Area 3A
Windex + Vinegar	4 refills 3 spray bottles	ethylene glycol monododecyl ether lactic acid (sds)	5.3 ppm	Area 3A
365 Hand Sanitizer	1	ethyl alcohol, aloe extract, allergen root extract, avena sativa (root) extract, camellia sinensis leaf extract, chamomile extract extract	7.2 ppm	Area 3A

#2 initially one removed by cleaning product

Page 4 of 4

Homeowner Name & Address: USA1 Lighting 1126 River Road New Windsor Date: 3/27/25

Samplers & Company: Mary Laughlin 161 Elizabeth Rigby CTM Structure ID: 01

Site Number & Name: Site No C336087 Phone Number: 845-565-8500

Make & Model of PID: Mini Rae 3000 PID 11.7eVnm Date of PID Calibration: 3/27/25

Identify any Changes from Original Building Questionnaire: No changes

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Dial Antimicrobial Refill	1	sodium xylene sulfonate, dip-phenyl glycol, ammonium lauryl sulfate, glycerine, triclosan	2.6 ppm	Area 3A
Softsoap Refill	1	cetrimonium chloride glycerin lauryl dimethylamine oxide	1.3 ppm	Area 3A

Bathroom Painted
Yesterday 3/26

Structure Sampling - Product Inventory

Page 1 of 2

Area 3A

Homeowner Name & Address: USA1 Lighting 1126 River Road New Windsor Date: 3/27/25

Samplers & Company: Mary Loughlin / Beth Rigby CT Male Structure ID: 01

Site Number & Name: Site No C336087 Phone Number: 845-565-8500

Make & Model of PID: Mini Rac 3000 PID 11.7ev Date of PID Calibration: 3/27/25

Identify any Changes from Original Building Questionnaire: No changes

BG
0.3
PPM

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Ben. Moore UltraSpec 500 Int. Acrylic Paint Base 1 TS38 1X	1 open can + 1 open refill bucket	Titanium dioxide Kaolin, calcined Limestone Nepheline Syenite (SDS)	Refill 0.9 Can 0.7 PPM	Area 3A
BEHR stain blocking paint Primer int eggshell enamel	1	Titanium Dioxide (SDS)	1.2 PPM	Area 3A
BEHR Stain Blocking Paint Primer Interior flat	2	SDS Not available	1 6.3 PPM 2 5.8 PPM (open)	Area 3A
Shuman Williams PO Mar 200 Deep Base 3.45L Zero VOC	1	calcium carbonate, titanium dioxide, heavy paraffinic oil, crystalline silica, (SDS)	0.8 PPM	Area 3A
KILZ 2 All purpose Int/Ext Primer Multi Surface Sealer & Stain blocker 2 gallons	2	Limestone Titanium Dioxide Quartz 5-chloro-2-methyl-2H- isothiazol-3-one (SDS)	0.7 PPM & 0.3 PPM	Area 3A
BEHR Int. No Semi gloss eggshell trim & enamel	1	Titanium dioxide, kaolin, 2-methyl-2H-isothiazol-3-one (SDS)	0.7 PPM	Area 3A
Premium Paint & epoxy remover Jasco	1	Dichloromethane, methanol, stoddard solvents (SDS)	3.8 PPM	Area 3A

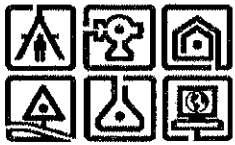
Page 2 of 3

Identify any Changes from Original Building Questionnaire : No changes

[illegible]

C.T. MALE ASSOCIATES

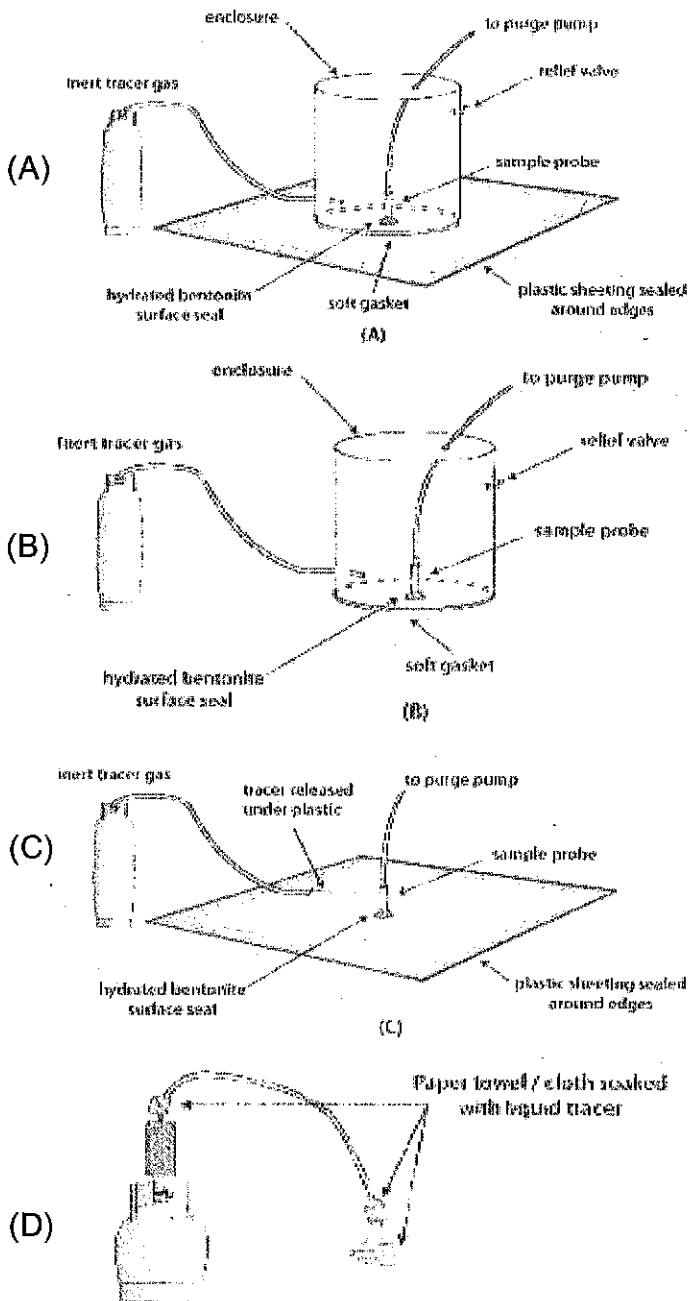
Attachment G
Soil Vapor/ Air Sampling Logs



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA
 Location: 1126 River Road New Windsor NY
 Project No.: 14.4337

Sample Point ID: VI-1 Date: 3/27/25

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☒ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

(A) B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: He Supplier: Ecobatal
 Material Used for Seal Construction: Butterfly Clay
 Instrument to Measure Tracer: MGD-2002
 Ambient Tracer Concentration: 0
 Initial Tracer Concentration Applied to Enclosure: 6.3%
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: 0 ppm
 Final Enclosure Tracer Concentration: 3.6%

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☒ Sub-Slab ☐ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: SV MMA Size: 6L
 Container ID: 789 Regulator ID: 02652

Start Time and Date: 9:06 3/27/25 Initial Pressure: -30.58" Hg
 Stop Time and Date: 16:04 3/27/25 Final Pressure: -9.48" Hg

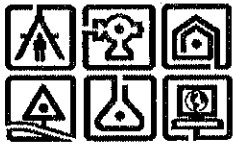
Notes:

- PIP Readings:

Background: 0.5 ppm
 Peak: 0.4 ppm
 Final: 0.4 ppm

- Located in Active Assembly Area (Workers Assembling Light Fixture)
 - Bucket Shovel Disturbed, Clay Seal compromised (Mid-morning)
 ↳ Clay Seal repaired

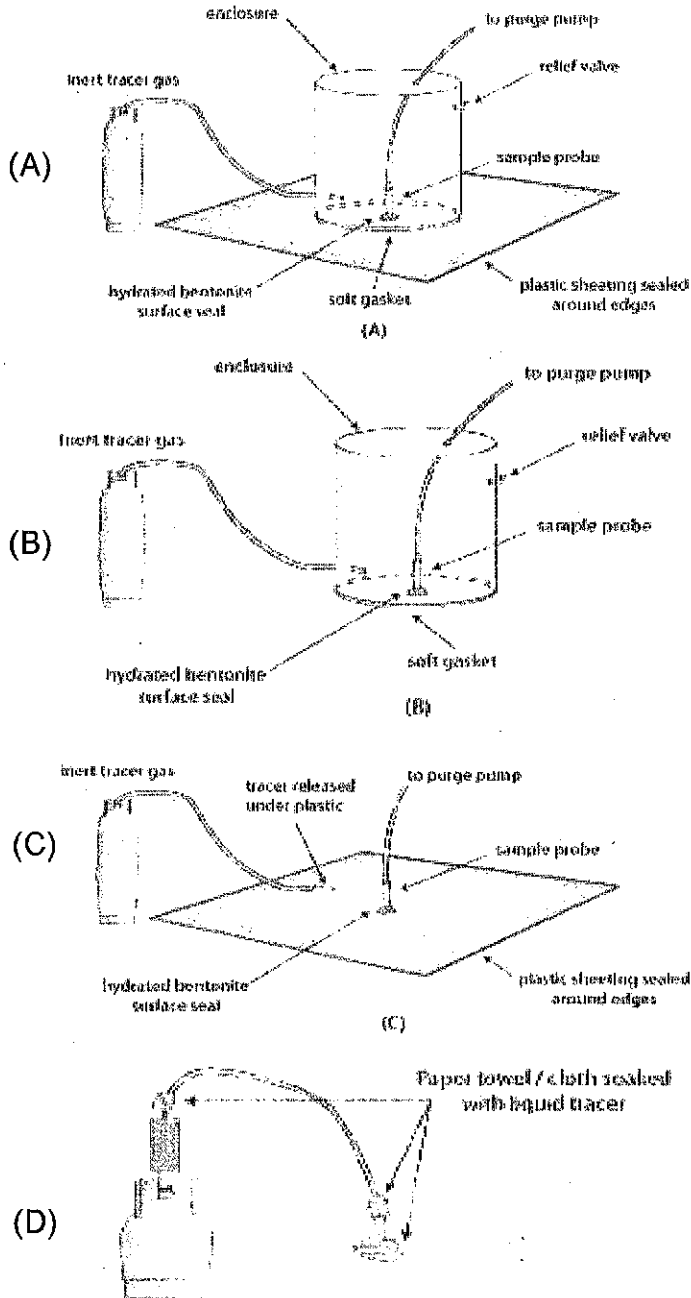
Collected
 3/26/25
 14:10



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA I
Location: 1126 River Road New Windsor NY
Project No.: 14.4337

Sample Point ID: V1-2 Date: 3/27/25

Sampling Personnel: AL+ER
Notes Taken By: ER

SV Point Activity: ☒ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

(A) B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: He Supplier: EcoPurital
Material Used for Seal Construction: Pottery Clay
Instrument to Measure Tracer: MGRD-2002
Ambient Tracer Concentration: 0
Initial Tracer Concentration Applied to Enclosure: 4.9%
Volume of Water Purged from SV Point: NA
Purge Method (Vapor): 1) NA Duration: NA
2) NA NA
Initial Sample Tubing Tracer Concentration: NA
Final Sample Tubing Tracer Concentration: 0 ppm
Final Enclosure Tracer Concentration: 2.3%

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☒ Sub-Slab ☐ Indoor Air

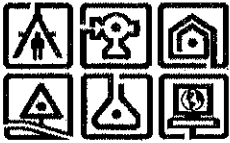
Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
Container Type: SUNMA Size: 6L
Container ID: 1881 Regulator ID: 02672

Start Time and Date: 9:20 3/27/25 Initial Pressure: -30.03" Hg
Stop Time and Date: 16:20 3/27/25 Final Pressure: -7.98

Notes:

Area 3A // Production Line
New Bathrooms painted on 3/26/25
Paint/Equipment left on pallet ~ 20 ft away
See Product Inventory

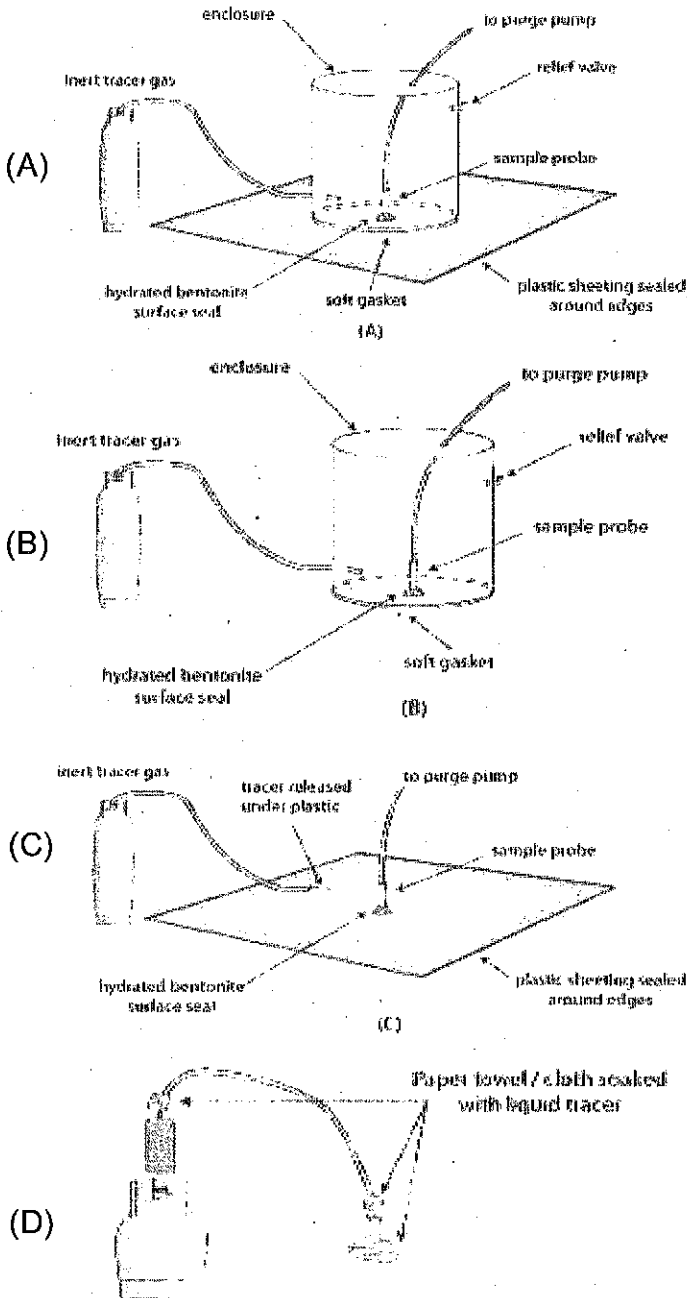
Collected
3/26/25
14:48
PID Readings:
Background: 1.1 ppm
Peak: 0.7 ppm
Final: 0.7 ppm



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USAI
 Location: 1176 River Road New Windsor NY
 Project No.: 14.4337

Sample Point ID: VI-3 Date: 3/27/25

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☒ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

(A) B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: He Supplier: EcoRental
 Material Used for Seal Construction: Pottery Clay
 Instrument to Measure Tracer: MC6D-2002
 Ambient Tracer Concentration: 0
 Initial Tracer Concentration Applied to Enclosure: 5.1%
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: 0 ppm
 Final Enclosure Tracer Concentration: 6.3%

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☒ Sub-Slab ☐ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10ml/min
 Container Type: SUMMA Size: 6L
 Container ID: 2112 Regulator ID: 02711

Start Time and Date: 9:35 3/27/25 Initial Pressure: -29.71 "Hg
 Stop Time and Date: 16:29 3/27/25 Final Pressure: -7.60 "Hg

Notes:

Area 2 ; Closet of Breakroom
 See product inventory

PID Readings

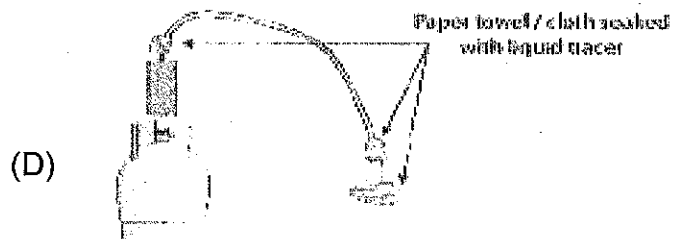
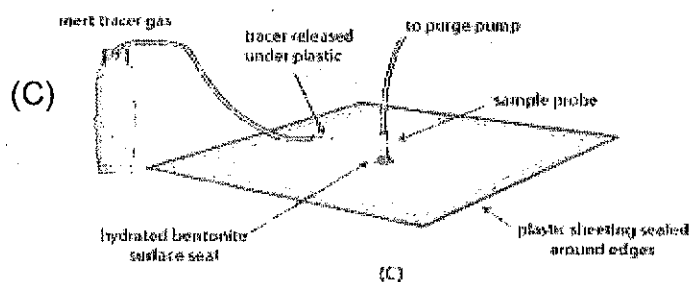
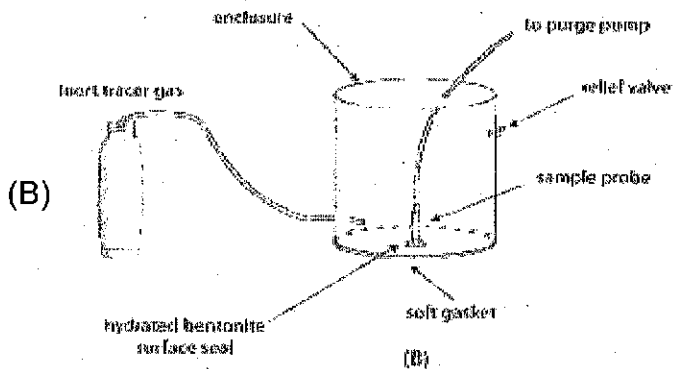
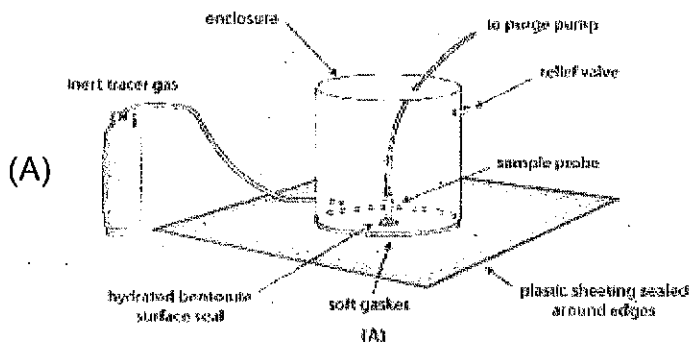
Collected 3/26/25 15:47
 { Background: 0.8 ppm
 Peak: 1.0 ppm
 Final: 0.8 ppm



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA1
Location: 1126 River Road New Windsor NY
Project No.: 14.4337

Sample Point ID: VI
111-4 Date: 3/27/25

Sampling Personnel: ML + ER
Notes Taken By: ER

SV Point Activity: ☒ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

☒ (A) ☐ B ☐ C ☐ D ☐ NA

Tracer Gas and Seal Information:

Tracer Gas Used: He Supplier: Ecological
Material Used for Seal Construction: Pottery Clay
Instrument to Measure Tracer: M61D - 2002 He Leak Detector
Ambient Tracer Concentration: 0
Initial Tracer Concentration Applied to Enclosure: 5.0%
Volume of Water Purged from SV Point: NA
Purge Method (Vapor): 1) NA Duration: NA
2) NA NA
Initial Sample Tubing Tracer Concentration: NA
Final Sample Tubing Tracer Concentration: 0ppm
Final Enclosure Tracer Concentration: 110500ppm
Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☒ Sub-Slab ☐ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
Container Type: SUNMA Size: 6L
Container ID: 4761 Regulator ID: 01548

Start Time and Date: 8:48 3/27/25 Initial Pressure: -30.45" Hg
Stop Time and Date: 13:50 3/27/25 Final Pressure: -10.85" Hg

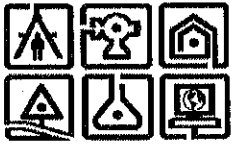
Notes:

Electrical closet - No occupants / activity

PID Reading 3

Background: 0.3ppm
Peak: 0.5ppm
Final: 0.4ppm

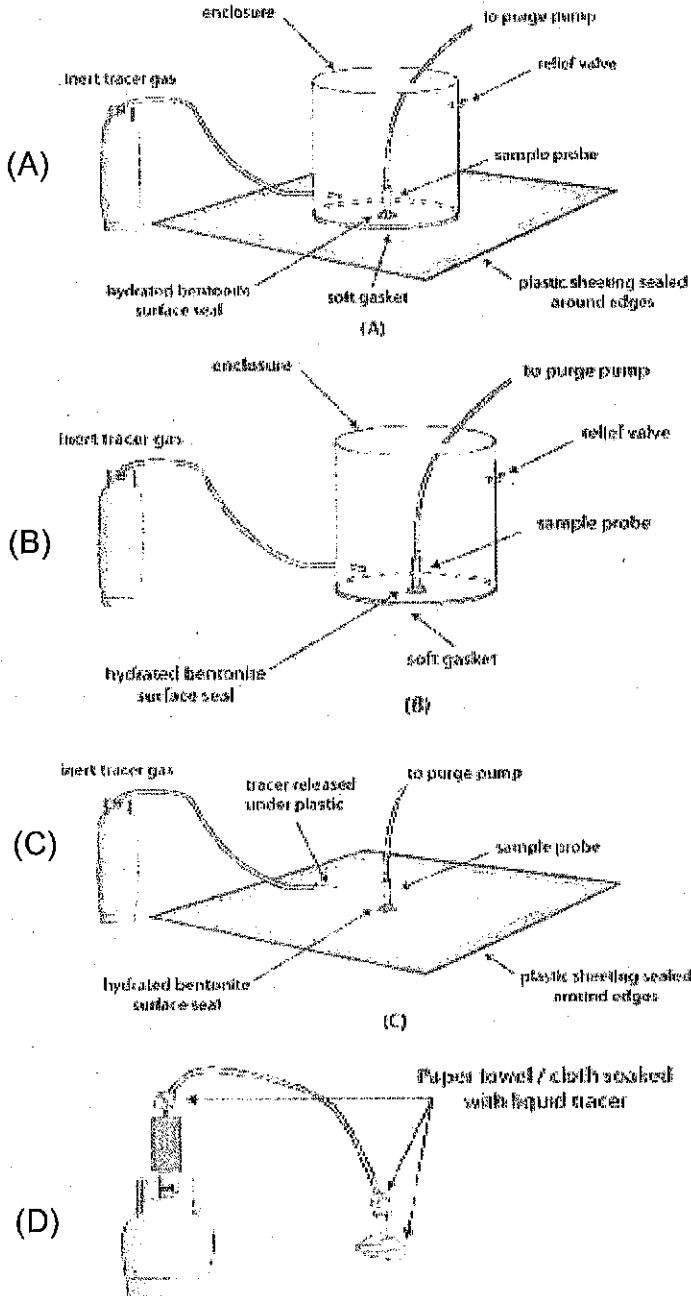
Collected
3/26/25
13:24



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USAI
Location: 1126 River Road New Windsor, NY
Project No.: 14-4337

Sample Point ID: V1-5 Date: 3/27/23

Sampling Personnel: ER + ML
Notes Taken By: ER

SV Point Activity: ☒ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

☒ A ☐ B ☐ C ☐ D ☐ NA

Tracer Gas and Seal Information:

Tracer Gas Used: He Supplier: Eco Rental
Material Used for Seal Construction: WV Pottery Clay
Instrument to Measure Tracer: MGP-2002 He Leak Detector
Ambient Tracer Concentration: 0
Initial Tracer Concentration Applied to Enclosure: 8.7%
Volume of Water Purged from SV Point: NA
Purge Method (Vapor): 1) NA Duration: NA
2) NA NA
Initial Sample Tubing Tracer Concentration: NA
Final Sample Tubing Tracer Concentration: 0
Final Enclosure Tracer Concentration: 16.3%
Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☒ Sub-Slab ☐ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
Container Type: SUMMA Size: 6L
Container ID: 2973 Regulator ID: 02427

Start Time and Date: 8:34 3/27/23 Initial Pressure: -30.18" Hg
Stop Time and Date: 14:27 3/27/23 Final Pressure: -5.68" Hg

Notes:

Reception Area
No chemicals observed
1 occupant (8 hrs)
collected 3/26/23 12:51
PID Readings
Background: 0.2ppm
Peak: 0.2ppm initial
Final: 0.0ppm

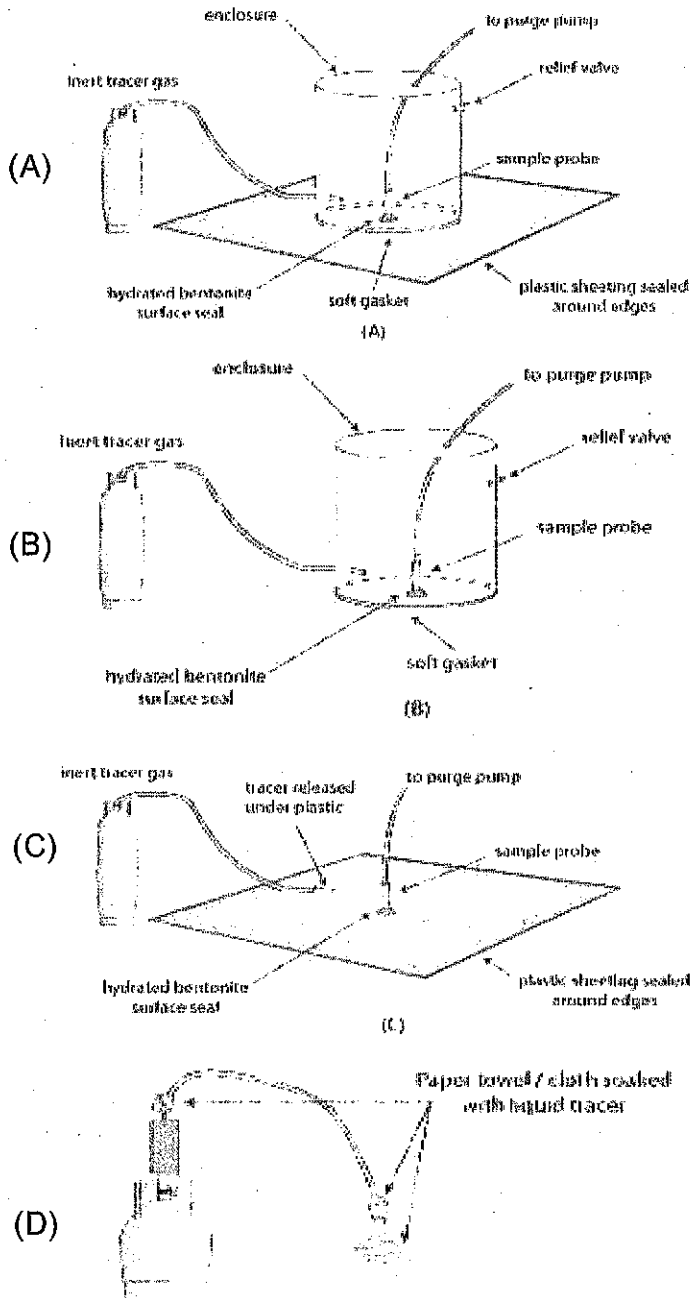
MGP-2002 Missing Filter, Difficult to
Take Readings



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA I
Location: 1126 River Road New Windsor NY
Project No.: 14,4337

Sample Point ID: 0A-1 Date: 3/27/25

Sampling Personnel: ML + ER
Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
Material Used for Seal Construction: NA
Instrument to Measure Tracer: NA
Ambient Tracer Concentration: NA
Initial Tracer Concentration Applied to Enclosure: NA
Volume of Water Purged from SV Point: NA
Purge Method (Vapor): 1) NA Duration: NA
2) NA NA
Initial Sample Tubing Tracer Concentration: NA
Final Sample Tubing Tracer Concentration: NA
Final Enclosure Tracer Concentration: NA

Sample Information

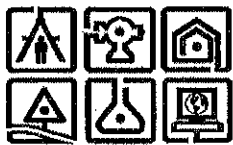
Sample Type: ☐ Soil Vapor ☒ Ambient/Outdoor Air
☐ Sub-Slab ☐ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
Container Type: SUMMA Size: 6L
Container ID: 3149 Regulator ID: 01530 11 0581

Start Time and Date: 8:53 3/27 Initial Pressure: -30.55" Hg
Stop Time and Date: 10:47 3/27 Final Pressure: -16.49" Hg

Notes:

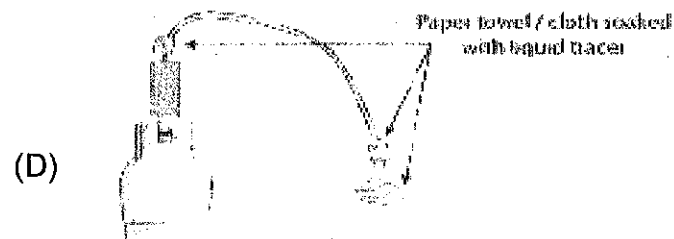
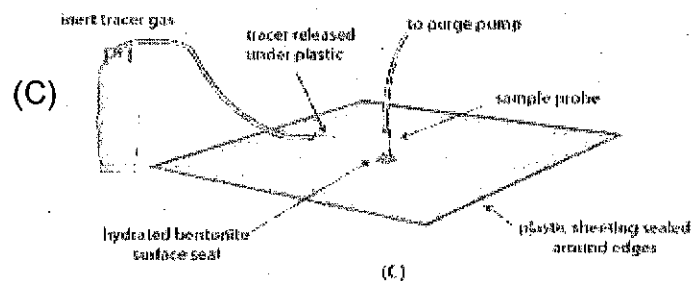
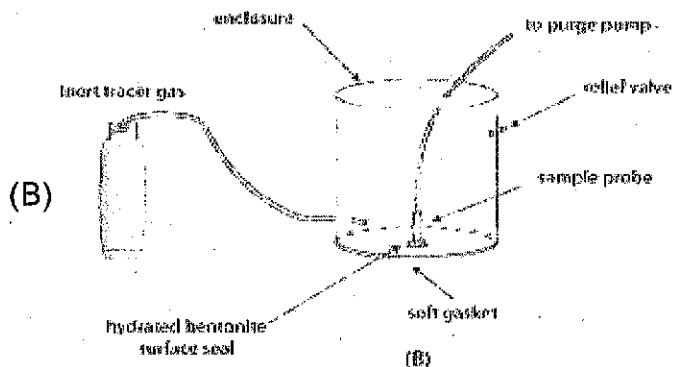
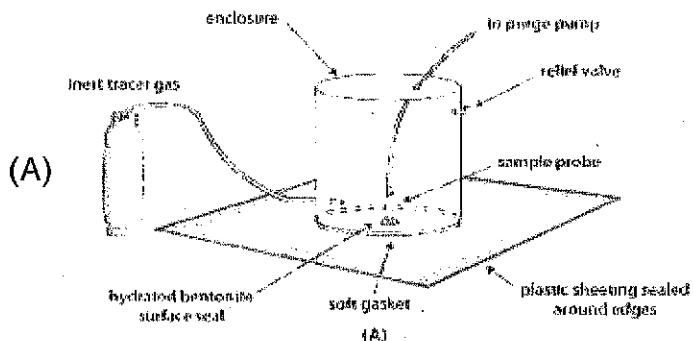
Regulator 01530 ran slow; replaced
w/ regulator 0581 mid-morning



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA1
 Location: 1126 River Road New Windsor NY
 Project No.: 14-4387

Sample Point ID: 1A-1 Date: 3/27/25

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

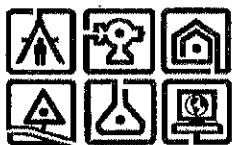
Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: SUMMA Size: 6L
 Container ID: 2262 Regulator ID: 0236

Start Time and Date: 8:43 3/27 Initial Pressure: -30.68" Hg
 Stop Time and Date: 16:03 3/27 Final Pressure: -8.32" Hg

Notes:

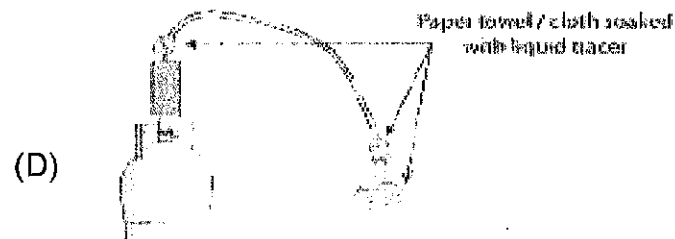
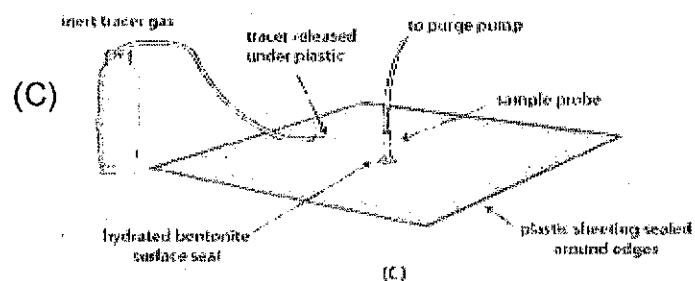
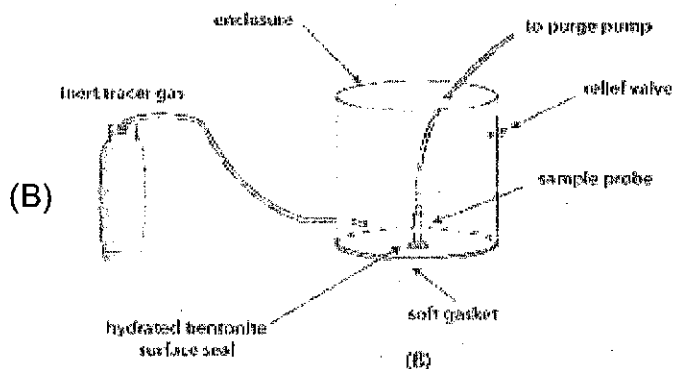
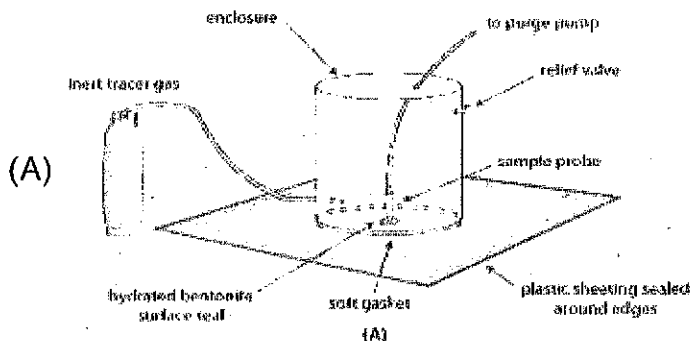
Conference Room near
 Maintenance / Electrical Closet



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA1
 Location: 1126 River Road New Windsor NY
 Project No.: 14-4337

Sample Point ID: 1A-2 Date: 3/27/25

Sampling Personnel: ER + ML
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

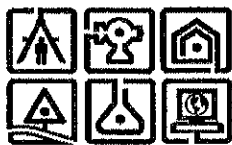
Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: 50 MMA Size: 6L
 Container ID: 3486 Regulator ID: 01618

Start Time and Date: 9:18 3/27 Initial Pressure: -30.66" Hg
 Stop Time and Date: 17:05 3/27 Final Pressure: -23.46" Hg

Notes:

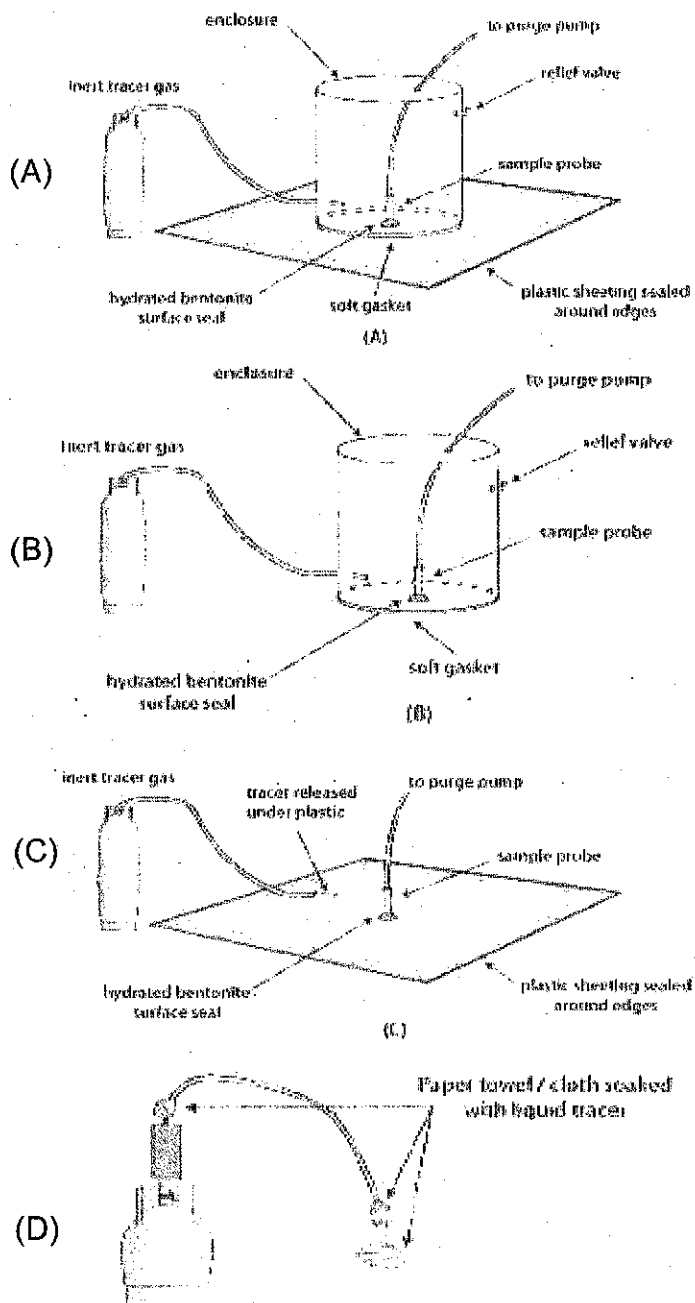
- Regulator ran slow, contacted Pace to troubleshoot, no solution in field
- Manufacturing area 3A shelving unit breathing height
- Near paint cans



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA 1
 Location: 1126 River Road New Windsor NY
 Project No.: 14.4337

Sample Point ID: 1A-3 Date: 3/27/25

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

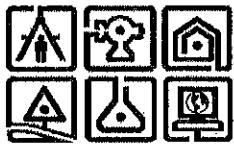
Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: SUMMA Size: 6L
 Container ID: 3598 Regulator ID: 01440

Start Time and Date: 9:32 3/27 Initial Pressure: -30.70" Hg
 Stop Time and Date: 16:12 3/27 Final Pressure: -6.04" Hg

Notes:

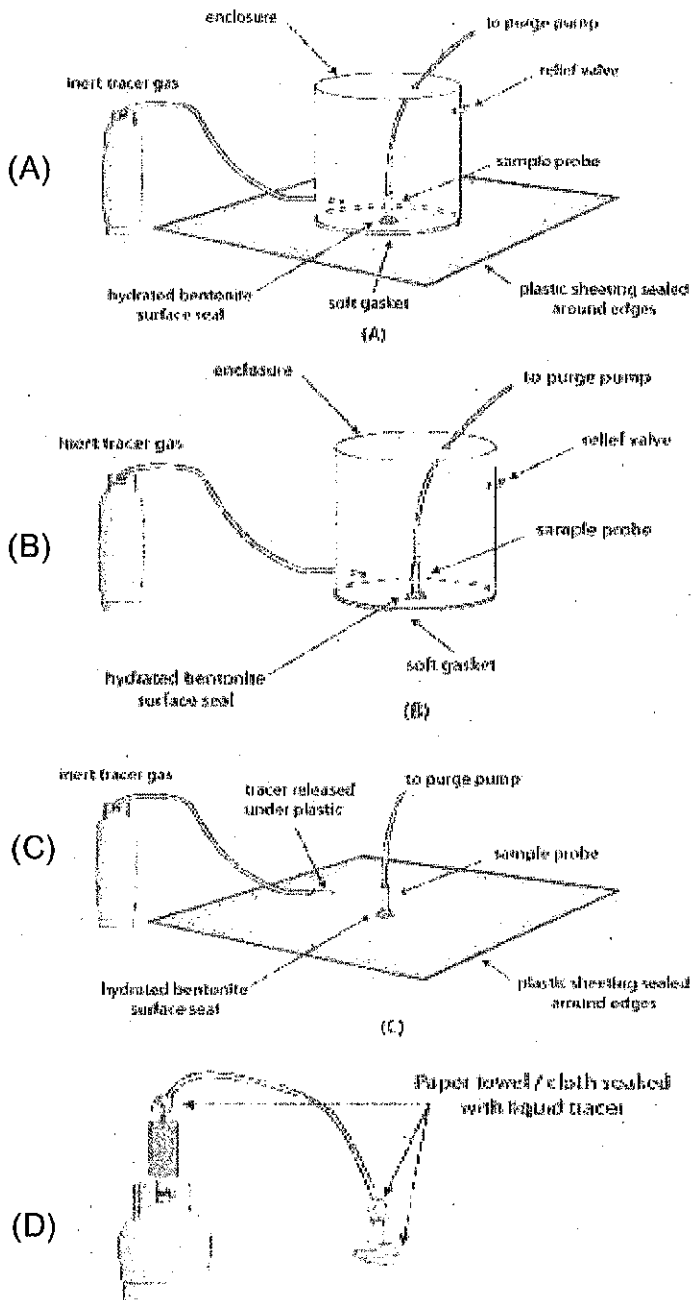
Breakroom atop Fridge



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA1
 Location: 1126 River Road New Windsor NY
 Project No.: 144337

Sample Point ID: 1A-4 Date: 3/27/25

Sampling Personnel: ER+ML
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10mL/min
 Container Type: SUMMA Size: 6L
 Container ID: 4978 Regulator ID: 01588

Start Time and Date: 8:35 3/27/25 Initial Pressure: -30.76" Hg
 Stop Time and Date: 15:58 3/27/25 Final Pressure: -8.48" Hg

Notes:

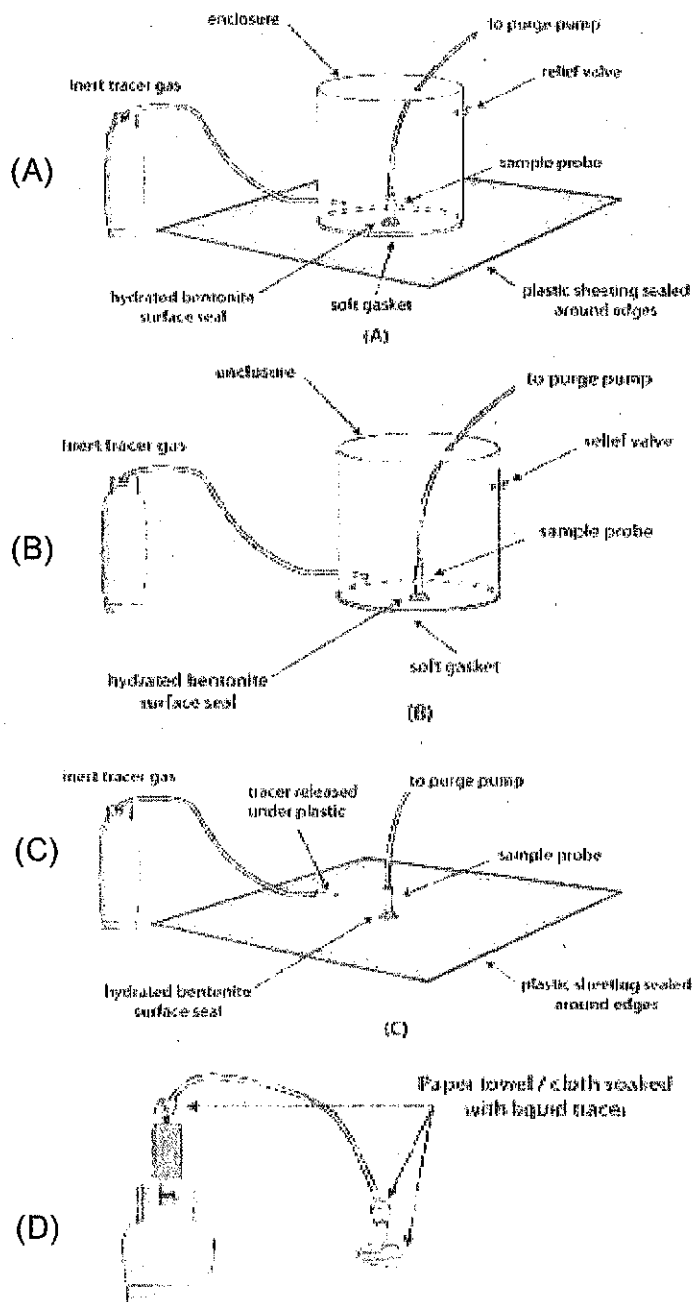
Reception Area



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USAT
Location: 1126 River Road New Windsor NY
Project No.: 14.4337

Sample Point ID: 1A-5 Date: 3/27/25

Sampling Personnel: EE, ML
Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
Material Used for Seal Construction: NA
Instrument to Measure Tracer: NA
Ambient Tracer Concentration: NA
Initial Tracer Concentration Applied to Enclosure: NA
Volume of Water Purged from SV Point: NA
Purge Method (Vapor): 1) NA Duration: NA
2) NA NA
Initial Sample Tubing Tracer Concentration: NA
Final Sample Tubing Tracer Concentration: NA
Final Enclosure Tracer Concentration: NA

Sample Information

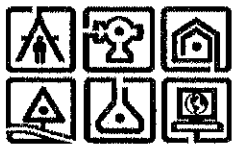
Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
Container Type: SUMMA Size: 6L
Container ID: 1572 Regulator ID: 01928

Start Time and Date: 9:23 3/27 Initial Pressure: -30.66
Stop Time and Date: 16:44 3/27 Final Pressure: -9.14

Notes:

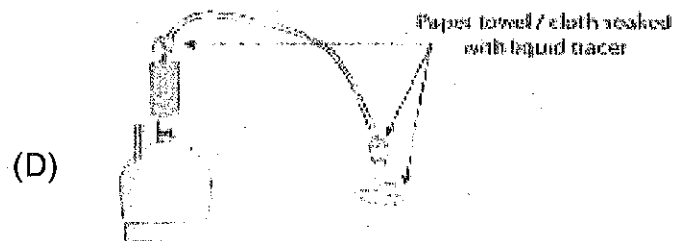
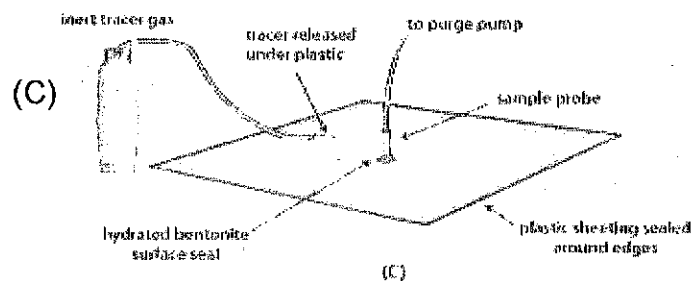
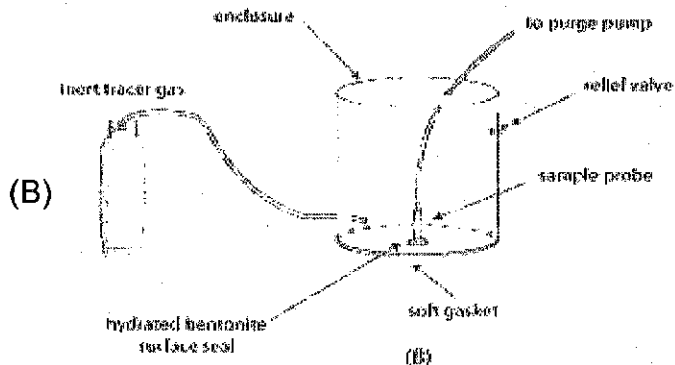
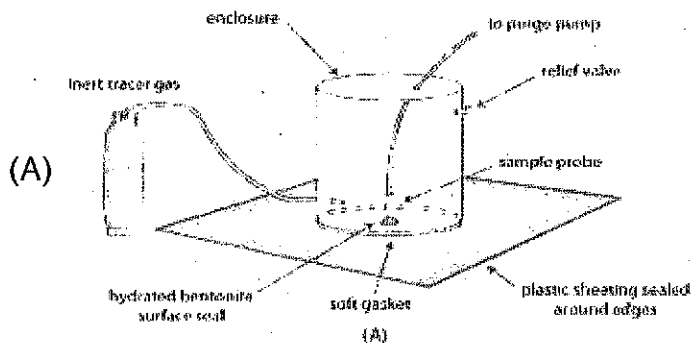
Area 3A // Manufacturing Area
Atop metal cabinet



C.T. MALE ASSOCIATES

SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USA I
 Location: 1126 River Road New Windsor NY
 Project No.: 14.4337

Sample Point ID: 1A - 6 Date: 3/27/23

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: SUNMA Size: 6L
 Container ID: 1593 Regulator ID: 01794

Start Time and Date: 8:57 3/27 Initial Pressure: -31.44 "Hg
 Stop Time and Date: 17:13 3/27 Final Pressure: -24.18 "Hg

Notes:

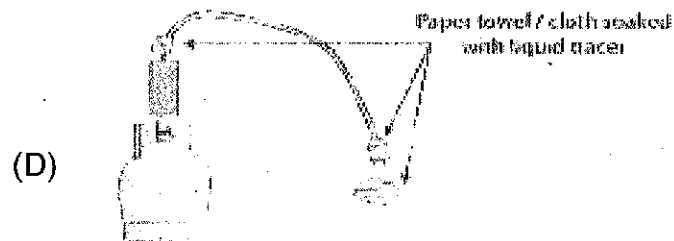
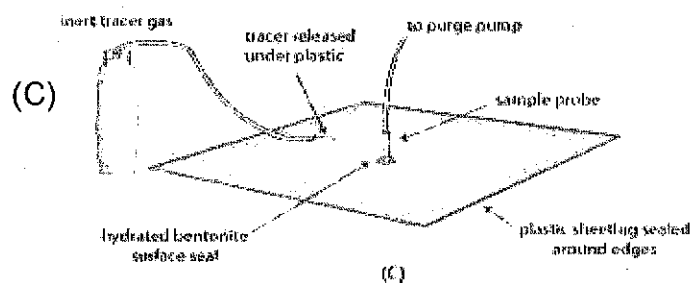
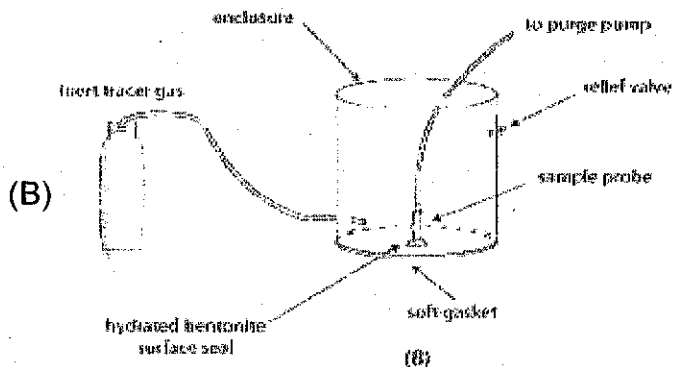
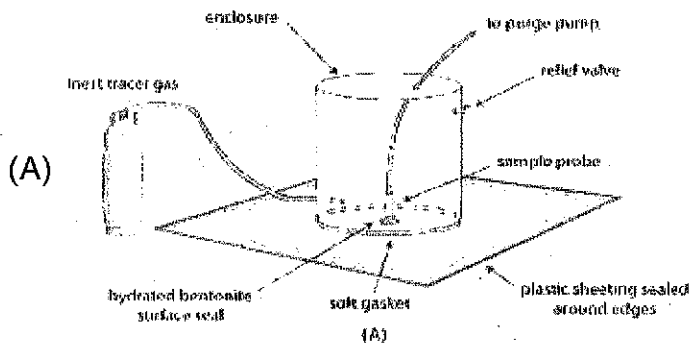
Regulator ran slow
 Shelf, stock room



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SOIL VAPOR (SV) / AIR SAMPLE LOG

Tracer Gas Application Method*:



Project Name: USAI
 Location: 1126 River Road New Windsor, NY
 Project No.: 14.4334

Sample Point ID: 1A-7 Date: 3/27/25

Sampling Personnel: ML + ER
 Notes Taken By: ER

SV Point Activity: ☐ Leak Test ☒ Sample Collection

Circle one of the tracer gas application method used

A B C D NA

Tracer Gas and Seal Information:

Tracer Gas Used: NA Supplier: NA
 Material Used for Seal Construction: NA
 Instrument to Measure Tracer: NA
 Ambient Tracer Concentration: NA
 Initial Tracer Concentration Applied to Enclosure: NA
 Volume of Water Purged from SV Point: NA
 Purge Method (Vapor): 1) NA Duration: NA
 2) NA NA
 Initial Sample Tubing Tracer Concentration: NA
 Final Sample Tubing Tracer Concentration: NA
 Final Enclosure Tracer Concentration: NA

Sample Information

Sample Type: ☐ Soil Vapor ☐ Ambient/Outdoor Air
☐ Sub-Slab ☒ Indoor Air

Sample Collection: ☐ Grab ☒ Regulator Flow 10 mL/min
 Container Type: SUMMA Size: 6L
 Container ID: 5453 Regulator ID: 61615

Start Time and Date: 9:10 3/27 Initial Pressure: -30.80" Hg
 Stop Time and Date: 17:02 3/27 Final Pressure: -24.25" Hg

Notes:

Cafeteria Shelving
 Regulator ran slow

Attachment H Forms

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

Date of Inspections	March 27, 2025
Personnel Performing Inspection	Elizabeth Rigby (ER); Mary Loughlin (ML)
Weather Conditions	Partly Cloudy, ~50 °F
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;

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- 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

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

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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

Not Applicable

If groundwater treatment is occurring, did NYSDEC and
NYSDOH approve such treatment?

Yes ☐ No ☐

If Yes, provide detail on their approval below

Not Applicable

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

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Groundwater Monitoring

Has groundwater monitoring been performed at the frequency specified in the SMP and/or subsequent revisions?

Yes ☒ No ☐

If No, provide detail below

Soil Vapor/Ambient Air Monitoring

Has soil vapor/ambient air monitoring been performed at the frequency specified in the SMP and/or subsequent revisions?

Yes ☒ No ☐

If No, provide detail below

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Date of Inspections March 27, 2025

Personnel Performing Inspection Mary Loughlin and Elizabeth Rigby

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. Crack identified last year sealed.
3A Production Area	Central	Slab to remain, 10 mil vapor barrier, new concrete slab (6")	Good	N	Occupied. Product assembly.
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	Y	Storage Space and Equipment Assembly.
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 renovated in 2021. SSDS modified in 2022 during renovation work.
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.	N	Storage space.
11 Shipping Receiving	North	Concrete floor cracks sealed with epoxy	Good.	N	Storage space.
15 Labeled as "Cafeteria" in older drawings	Central	New ¼" thick epoxy coating atop of existing concrete floor	Good.	N	Currently used as storage space. Exposed electrical conduits to be sealed.
16 Office Space	South-central	Concrete floor, cracks sealed with epoxy	Good.	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.					

Vapor Intrusion (VI) Mitigation Measures Assessment Form

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

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)

N.

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. Client performed pipe repair in February 2024. Client/owner provided photographs. SSDS pipes remain in good condition.

Vapor Intrusion (VI) Mitigation Measures Assessment Form

Area and Location:

Area 5 (Cafeteria)

Obstruction to air flow at the SSDS
exhaust pipes? (Y/N)

N.

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)

Condition of the concrete slab:

Good

Number of SSDS exhaust pipes:

1

Condition of the SSDS exhaust pipes:

Good.

Obstruction to air flow at the SSDS
exhaust pipes? (Y/N)

N.

Visible SSDS piping labeled? (Y/N)

Y

Corrective Action (Y/N)? If Y, indicate:

N

Additional Comments:

None

Vapor Intrusion (VI) Mitigation Measures Assessment Form

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

Elizabeth Rigby

Signature



Date

March 27, 2025

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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: January 30, 2024 To: January 30, 2025

Contact Information

Preparer's Name: Jeffrey A. Marx, P.E. Phone No.: (518) 786-7400

Preparer's Affiliation: Remedial Engineer for BDL, 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

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Mr. Matthew Hubicki

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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	328	5,102
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.

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Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: Minimal energy was used (from rechargeable batteries) to remove groundwater from monitoring wells. There are no other energy sources being used for remedial purposes.
Waste Generation: Minimal waste generated, mainly associated with groundwater and soil vapor sampling such as expendable sampling equipment.
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 (carpooling 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 courier 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 been maintained during the reporting period and has become well established. Plantings have continued to grow. The land use and ecosystems in the southern portion of the Site have improved following remedial activities.
Other: