M.L. BUNDY
CHMM

Mr. Steven J. King, Managing Director
Quonset Development Corporation
95 Cripe Street, North Kingstown, RI 02852

November 9, 2026

RE: Preliminary Ambient Air Quality Evaluation
Quonset Business Park - West Davisville Area
North Kingstown, RI

Mr. King,

At the request of the Quonset Development Corporation (QDC), a preliminary ambient air quality investigation was conducted in the West Davisville Area of the Quonset Business Park (QBP) on 15 October 2026. The investigation was led by Engineering & Land Development Services (ELDS) and included the collection and analysis of short-term ambient air samples per EPA Method TO-13A for polycyclic aromatic hydrocarbons (PAHs), and EPA Method TO-15 for volatile organic compounds (VOCs). This draft report summarizes the investigation design and rationale, and details the preliminary findings.

Background Information

This ambient air quality investigation was performed in support of prior complaints of petroleum and asphalt-like odors by residents in the area. The suspect source of air quality concerns by complainants is the Bitumar USA, Inc. (Bitumar) facility located at 275 Compass Circle Drive, North Kingstown, RI (**Figure 1, Site Map**). The Bitumar facility operates an asphalt processing and transfer station that receives liquid and solid asphalt by rail, heats the material using natural gas-powered boilers, and transfers the product to trucks for regional road-paving and municipal projects. Reportedly, asphalt transloading operations at the Bitumar facility take place during the early morning hours, on an apparent as-needed basis.

In the context of this investigation, *ambient air* simply refers to any outdoor air in the surrounding environment. It's distinct from indoor air (inside a building) or the concentrated, undiluted exhaust gases coming directly out of a smokestack or a vehicle tailpipe. In Rhode Island, Air Pollution Control Regulation No. 22 (250-RICR-120-05-22) limits emissions of *toxic air contaminants* from *stationary sources* and establishes Acceptable Ambient Levels (AALs) at or beyond a facility's property line. Toxic air contaminant refers to any listed toxic substance emitted to the atmosphere as dust, fume, gas, mist, smoke, vapor, or soot; and a stationary source refers to any fixed building, structure, facility, installation, equipment, or article that emits or may emit a listed toxic air contaminant.

Air Sample Stations

Five air sampling stations were prepared at locations surrounding the Bitumar facility to ensure the collection of at least one downwind sample from the transloading operation. The stations were identified as Location 1 through Location 5, with approximate locations as depicted in **Figure 1**. All five stations were located within public right-of-way areas designated for general use by the

community; no special security clearances, permits, or private invitations to access were required. Each station was equipped as follows:

- **EPA Method TO-13A:** A battery operated air sampling pump calibrated to a flow rate of 5 L/min and equipped with a preconditioned PUF/XAD-2 sorbent cartridge (polyurethane foam combined with XAD resin) provided by laboratory to collect both PAH vapors and particulate phases.
- **EPA Method TO-15:** A 2.7 L evacuated (30 in. Hg vacuum), Summa passivated stainless-steel canister equipped with a flow controller/regulator calibrated to collect a 5-hour whole-air sample for VOC analysis.

Air Sample Collection & Analysis

Ambient air samples from the previously described air stations were collected on 15 October 2026 in accordance with EPA Methods TO-13A and TO-15. Sample collection generally occurred over a 5-hour interval from approximately 4AM to 9AM. As documented in the field log for this activity, a single truck was loaded at the Bitumar facility from 5:20AM to 6:12AM (**Attachment A**). As summarized in **Table 1**, the prevailing wind during the sampling period was from the north-northwest with a recorded speed of 7-20 mph, and isolated gusts up to 30 mph. Based on these conditions, Location 4 was positioned downwind of the Bitumar facility (**Figure 1**).

The samples, identified as Loc 1 through Loc 5, were delivered to Pace Analytical Laboratories (Mansfield, MA) on the same day as collection, for the analysis of PAHs by EPA Method TO-13A, and VOCs by EPA Method TO-15. The laboratory reports for these analyses are provided in **Attachment B**, and the laboratory detections are tabulated in **Table 2**. In summary, the analyses detected low concentrations of various volatile solvents and chlorofluorocarbons (CFCs) in all samples well below the Rhode Island Department of Environmental Management (RIDEM) AAL criteria, but no PAHs or other compounds typically associated with asphalt binder. As expected for the downwind location, the greatest concentrations of VOCs were detected in sample Loc 4, including additional VOCs not found in any of the other samples (e.g., Ethanol, 2-Butanone, Ethyl Acetate, and Tetrahydrofuran).

Review of VOC Findings

Dichlorodifluoromethane (Freon-12), Trichlorofluoromethane (Freon-11), and Chloromethane were detected in all samples at a similar low concentration, indicating that these VOCs are ubiquitous to the area.

- Although the predominant anthropogenic source of Chloromethane is its use in the manufacturing of silicone polymers and resins, it is currently believed that the vast majority in ambient air is attributed to natural sources, including chemical and biological reactions in marine environments, and release from salt marshes and wooded areas from decaying organic matter. Both of these environments are found in the study area.
- The current sources of Freon-11 and Freon-12 in ambient air are legacy emissions from old freezer equipment and off-gassing from rigid polyurethane foam insulation that used these CFCs prior to the phase-out in the mid-1990s.

Acetone and Isopropanol were also detected in all samples, but were present in the downwind sample (Loc 4) at significantly higher concentrations. Additionally, 2-Butanone, Ethyl Acetate and Tetrahydrofuran were predominantly detected in the downwind sample, and Ethanol was only detected in the downwind sample; generally indicating an upwind source (**Figure 1**).

- Although the exact formulation of the Bitumar binder product is not currently known, the above listed VOCs are not typically associated with asphalt products.
- All of these listed solvents have a variety of uses in many industries and commercial and industrial practices, but collectively are commonly used in auto body repair and painting. They are either blended directly into automotive paints, resins, primers, and clear coats to control drying times, or used for heavy-duty surface preparation and equipment cleaning.
- Further note that the American Muscle Car Restoration company, located approximately 1,000 feet directly upwind of Air Station 4, performs auto body repairs and painting operations that typically use these listed VOCs.

A trace level of Ethyl Acetate was also detected in sample Loc 5 from the lateral air station Location 5 (**Figure 1**). Ethyl Acetate is used in many manufacturing processes and product formulations (e.g., paints, thinners, varnishes, lacquers, resins, inks, adhesives, cleaners, etc.), and also includes natural sources involving the breakdown and decay of animal waste and organic debris. Air station 5 was located in a residential neighborhood bound by wooded wetlands to the north and west. Given the lack of a commercial/industrial source upwind of Location 5, the likely sources of Ethyl Acetate could be household products used in the neighborhood or the natural breakdown and decay of organic debris from the adjacent wooded wetlands.

Toluene was only detected in sample Loc 5 from the lateral air station Location 5 (**Figure 1**). Although Toluene can be emitted from decaying organics from a wooded wetland area, this trace level isolated finding could also be resultant from vehicle exhaust or off-gassing from gasoline (i.e., toluene is one of the most abundant VOCs found in gasoline and associated vehicle exhaust).

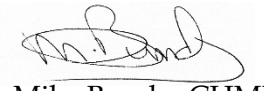
Conclusions

As repeatedly stated throughout this preliminary report, although the exact formulation of the Bitumar binder product is not currently known, the VOCs detected in the air samples from this ambient air investigation are not typically associated with asphalt products, and cannot be directly tied to the Bitumar facility transloading operation. The likely sources of the detected VOCs are from legacy emissions of previously banned chemicals, natural degradation of organics from local marine and terrestrial settings, exhaust from normal vehicle operations, and other commercial operations located within the study area (e.g., the American Muscle Car Restoration company auto body and paint operations).

In conclusion, RIDEM defines Acceptable Ambient Levels (AALs) under Air Pollution Control Regulation No. 22 - Air Toxics. An AAL is the maximum ambient air concentration of a listed toxic air contaminant that a stationary source is allowed to contribute at or beyond its property line. Regardless of the source of the VOC emissions, there were no reported exceedances in the RIDEM AAL criteria for the detected VOCs from this preliminary ambient air quality study.

If there are any questions or concerns with this preliminary report, please do not hesitate to contact the undersigned.

Best Regards



Mike Bundy, CHMM
Sr. Environmental Scientist
Project Associate

cc: Mr. Timothy Regan, PE, ELDS
File

Attachments: Figure 1 - Study Area Map
Table 1 – Meteorological Data for Study Period
Table 2 – Summary of Analytical Detections
Attachment A – Field Notes
Attachment B – Pace Lab Analytical Reports

FIGURES

1. STUDY AREA



NOTES:

1. On the morning of 15 October 2026, the prevailing wind in North Kingstown, RI was from the north-northwest with a recorded speed of 7-20 mph, and isolated gusts up to 30 mph.
2. The wind pattern and speed for the investigation area are denoted by arrow orientation and size.

Figure 1 – QBP Investigation Area

Quonset Business Park (QBP)
North Kingstown, RI

Approx. Scale	PROJECT	FILE	FIGURE	DATE
See Scale	QDC	Bitumar	1	10/15/2026

0' 500' 1000'

N

(1) Air Station Location & ID

→ Wind Speed & Direction Distribution

Source: Google Maps, 2026

TABLES

1. METEOROLOGICAL DATA FOR STUDY PERIOD
2. SUMMARY OF ANALYTICAL DETECTIONS

Table 1 - Meteorological Data for Study Period

Duration	TIME	TEMP	DP	RH	WIND	SPEED	GUST	PRERSSURE	RAIN	NOTES
1 hr (10%)	3:55 AM	55 °F	50 °F	82 %	NW	10 mph	-	29.99 in	0 in	Fair
	4:15 AM	55 °F	50 °F	82 %	NW	7 mph	-	30.01 in	0 in	Fair
	4:35 AM	55 °F	50 °F	82 %	NW	8 mph	-	30.01 in	0 in	Fair
	4:55 AM	55 °F	50 °F	82 %	NW	7 mph	-	30.03 in	0 in	Fair
3 hrs (60%)	5:15 AM	55 °F	50 °F	82 %	NNW	12 mph	-	30.04 in	0 in	Fair
	5:35 AM	57 °F	48 °F	72 %	NNW	15 mph	24 mph	30.05 in	0 in	Fair
	5:55 AM	59 °F	45 °F	59 %	NNW	18 mph	30 mph	30.06 in	0 in	Fair
	6:15 AM	59 °F	45 °F	59 %	NNW	15 mph	24 mph	30.07 in	0 in	Fair
	6:35 AM	57 °F	45 °F	63 %	NNW	14 mph	-	30.07 in	0 in	Fair
	6:55 AM	57 °F	46 °F	67 %	NNW	14 mph	-	30.08 in	0 in	Fair
	7:15 AM	57 °F	46 °F	67 %	NNW	9 mph	-	30.10 in	0 in	Fair
	7:35 AM	57 °F	46 °F	67 %	NNW	14 mph	-	30.10 in	0 in	Partly Cloudy
1 hr (30%)	7:50 AM	57 °F	46 °F	67 %	N	18 mph	24 mph	30.10 in	0 in	Fair
	7:53 AM	57 °F	45 °F	63 %	N	18 mph	24 mph	30.11 in	0 in	Fair
	8:50 AM	57 °F	41 °F	55 %	N	20 mph	30 mph	30.15 in	0 in	Fair / Windy
	9:50 AM	59 °F	43 °F	55 %	N	20 mph	23 mph	30.15 in	0 in	Fair

North Kingstown, RI Weather History | Weather Underground
https://www.wunderground.com/history/daily/us/ri/north-kingstown/KRINORTH109/date/2026-10-15

Table 2 - Summary of Analytical Detections

			SAMPLE ID:	LOC 1		LOC 2		LOC 3		LOC 4		LOC 5	
			LAB ID:	L2670323-01		L2670323-02		L2670323-03		L2670323-04		L2670323-05	
			COLLECTION DATE:	10/15/2026		10/15/2026		10/15/2026		10/15/2026		10/15/2026	
			SAMPLE MATRIX:	AIR		AIR		AIR		AIR		AIR	
Parametrer	**RIDEM AAL**	**Units**		**Conc**	**RL**	**Conc**	**RL**	**Conc**	**RL**	**Conc**	**RL**	**Conc**	**RL**
Dichlorodifluoromethane (Freon-12)	NE	ug/m^3		**2.32**	0.989	**2.32**	0.989	**2.5**	0.989	**2.37**	0.989	**2.42**	0.989
Chloromethane (Methyl Chloride)	400	ug/m^3		**1.14**	0.413	**1.14**	0.413	**1.17**	0.413	**1.02**	0.413	**1.45**	0.413
Ethanol	NE	ug/m^3		ND	9.42	ND	9.42	ND	9.42	**21.9**	9.42	ND	9.42
Acetone	NE	ug/m^3		**8.05**	2.38	**6.79**	2.38	**8.17**	2.38	**34.9**	2.38	**10.4**	2.38
Trichlorofluoromethane (Freon-11)	1,000	ug/m^3		**1.18**	1.12	**1.17**	1.12	**1.55**	1.12	**1.24**	1.12	**1.2**	1.12
Isopropanol	3,000 (1)	ug/m^3		**3.56**	2.46	**3.34**	2.46	**4.52**	2.46	**66.1**	2.46	**5.24**	2.46
2-Butanone (Methyl Ethyl Ketone)	5,000	ug/m^3		ND	1.47	ND	1.47	ND	1.47	**2.16**	1.47	ND	1.47
Ethyl Acetate	NE	ug/m^3		ND	1.8	ND	1.8	ND	1.8	**73.2**	1.8	**2.33**	1.8
Tetrahydrofuran	2,000 (2)	ug/m^3		ND	1.47	ND	1.47	**1.6**	1.47	**4.81**	1.47	ND	1.47
Toluene	4,000 (1)	ug/m^3		ND	0.754	ND	0.754	ND	0.754	ND	0.754	**0.806**	0.754

NOTES

RIDEM AAL Acceptable Ambient Levels (AALs) that may be released from a stationary source in a 24-hour period (Air Pollution Control Regulation No. 22).

Note 1 AAL 1-hr emmission limit. No 24-hr emission standard listed under RIDEM Air Pollution Control Regulation No. 22.

Note 2 USEPA Chronic Reference Concentration (RfC). No emission standard listed under RIDEM Air Pollution Control Regulation No. 22.

NE No standard established

ATTACHMENT A
FIELD NOTES

EEM ARRIVED @ 3:18 & STOP Loc 3; TEMP WAS 53°

	SAMPLE ID	END DATE	START TIME	END TIME	INITIAL VAC	FINAL VAC	ID FLOW CONTROL
	ACROSS FROM E. BIZMAR						
TO-15	Location 1	10/15/26	4:10 A	9:05A	-30.11	-5.96	FC0840
TO-13	Location 1	10/15/26	4:10 A	9:05A	N/A	N/A	N/A
	JR VINEYARD FENCE						
TO-15	Location 2	10/15/26	4:15A	9:11A	-30.17	-5.84	FC01371
TO-13	Location 2	10/15/26	4:15A	9:10A	N/A	N/A	N/A
	PARCEL NEAR POLE 5						
TO-15	Location 3	10/15/26	3:30 A	8:25A	-29.73	-6.19	FC03107
TO-13	Location 3	10/15/26	3:25A	8:25A	N/A	N/A	N/A
	PARCEL @ CULDECAC						
TO-15	Location 4	10/15/26	3:44 A	8:35A	-30.12	-5.12	FC03258
TO-13	Location 4	10/15/26	3:40 A	8:35A	N/A	N/A	N/A
	RES.						
TO-15	Location 5	10/15/26	4:00A	9:55	-29.93	-7.32	FC03049
TO-13	Location 5	10/15/26	4:00A	9:55	N/A	N/A	N/A

* AROUND 5.25AM WIND PICKED UP FROM THE NORTH, TEMP 55°
1 TRUCK @ BIZMAR FROM 5:20-6:12A FILLING UP
@ 6AM TEMP ROSE TO 60°
@ 7AM WIND DIED DOWN BUT STILL FROM THE NORTH, TEMP @ 56°
@ 8:30 TEMP 58°; BLOWING FROM THE NORTH

* ONLY THE 1 TRUCK FILLED-UP @ BIZMAR ON 10/15 (4-8AM)

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

Pace ANALYTICAL SERVICES

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

Date Rec'd in Lab:

Pace® Job #:

Client Information

Client: ENGLANDDEV
Address: 260 WEST EXCHANGE ST.
PROV RI 02903
Phone: 401 486-6583
Fax:
Email: TIMOTHY@ELD-SERVICES.NET

☐ These samples have been previously analyzed by Pace

Project Information

Project Name: QUONSET AMBIENT SAMPLES
Project Location: QUONSET, NK RI
Project #: ECM #260542
Project Manager: TIM REGAN
Pace® Quote #: 00218326

Turn-Around Time

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

Date Due: Time:

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)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
RI		

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
	LOC 1	10/15/26	4:10A	9:05A	-30.11	-5.96	AA	DJS	2.7L	6245	FC0840	X					
	LOC 2	10/15/26	4:15A	9:11A	-30.17	-5.84	AA	DJS	↓	6252	FC01371	X					
	LOC 3	10/15/26	3:30A	8:25A	-29.73	-6.19	AA	DJS		6244	FC03107	X					
	LOC 4	10/15/26	3:44A	8:35A	-30.12	-5.12	AA	DJS		3753	FC03258	X					
	LOC 5	10/15/26	4:00A	8:55A	-29.93	-7.32	AA	DJS	↓	6205	FC03049	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	10/15/26 10:55A		

Form No: 101-02 Rev: (25-Sep-15)

AIR ANALYSIS - SORBENT MEDIA
CHAIN OF CUSTODY

Page 1 of 1

Date Rec'd in Lab

ALPHA Job #

Westborough, MA
TEL: 508-898-9220
FAX: 508-822-3288

Mansfield, MA
TEL: 508-822-9300
508-822-3288

Client Information

Client: ENGLANDDEV
Address: 260 WEST EXCHANGE ST.
PROV. RI 02903
Phone: 401 486-6583
Fax:
Email: TIMOTHYCELD-SERVICES.NET

Project Information

Project Name: QUONSET AMBIENT SAMPLES
Project Location: QUONSET, NK, RI
Project #: ECM # 260542
(Use Project name as Project #)
Project Manager: TIM REGAN
ALPHA Quote #: Q0218326

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEX
Criteria Checker:
Other Formats:
☐ EMAIL
☐ Add'l Deliverables

Report to: (if different than Manager)

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
RI		

These samples have been previously analyzed by Alpha: ☐

Other Project Specific Requirements / Comments/Detection Limits

For PCBs Selection is REQUIRED
☐ Congeners
☐ Homologs
☐ Aroclors (low Vol only)

Analysis

NOTE: For metals, please specify elements of interest and media type.
☐ PM-10 Filter
☐ TSP Filter
☐ MCE

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Flow Rate (L/min)	Total Volume(L)	Sample Matrix*	Sampler's Initials	Media ID# (1)	TO-13A (FULL SCAN)	PCBs (High Vol)	PCBs (Low Vol)	Hg via NIOSH 6009 Mod.	Metals	PM-10 Filter	TSP Filter	Sample Comments (i.e. PID)
	LOC. 1	10/15/26	4:10A	9:05A	5cfm	1475	AA	DJS	1	X							
	LOC. 2	10/15/26	4:15A	9:10A	"	1475	"	DJS	2	X							
	LOC. 3	10/15/26	3:25A	8:25A	"	1500	"	DJS	3	X							
	LOC. 4	10/15/26	3:40A	8:35A	"	1475	"	DJS	4	X							
	LOC. 5	10/15/26	4:00A	8:55A	"	1475	"	DJS	5	X							

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

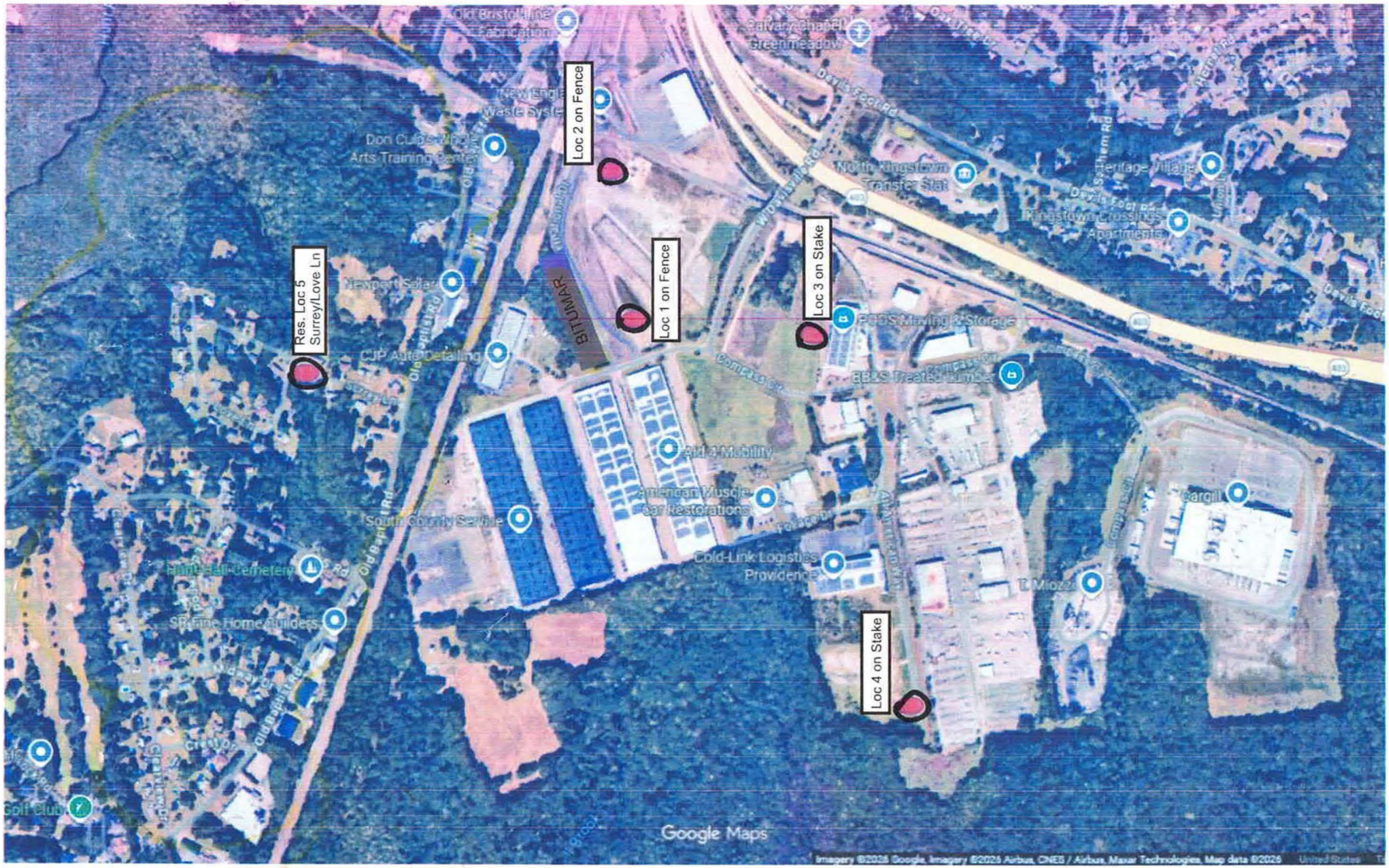
(1) Required for PUF cartridges, PM-10 and TSP filters

Media Type	P	P	P	T	F	F	F	

Media Code
F = Filter
P = PUF Cartridge
T = Sorbent Tube
O = Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/5/26 10:45A		

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


Loc 2 on Fence
Loc 1 on Fence
Loc 3 on Stake
Loc 4 on Stake
Res. Loc 5 Surrey/Love Ln
BITUMAR
Google Maps

ATTACHMENT B
PACE LAB ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2669387
Client:	Engineering & Land Development Services 260 West Exchange St Suite 102A Providence, RI 02903
ATTN:	Timothy Regan
Phone:	(401) 486-6583
Project Name:	QUONSET AMBIENT SAMPLES
Project Number:	ECM#260542
Report Date:	10/27/26

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2669387
Report Date: 10/27/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2669387-01	LOC. 1	AIR MEDIA	QUONSET, NK, RI	10/15/26 09:05	10/15/26
L2669387-02	LOC. 2	AIR MEDIA	QUONSET, NK, RI	10/15/26 09:10	10/15/26
L2669387-03	LOC. 3	AIR MEDIA	QUONSET, NK, RI	10/15/26 08:25	10/15/26
L2669387-04	LOC. 4	AIR MEDIA	QUONSET, NK, RI	10/15/26 08:35	10/15/26
L2669387-05	LOC. 5	AIR MEDIA	QUONSET, NK, RI	10/15/26 08:55	10/15/26

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2669387
Project Number:	ECM#260542	**Report Date:**	10/27/26

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:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2669387
Project Number:	ECM#260542	**Report Date:**	10/27/26

Case Narrative (continued)

PAHs in Air

WG2288178-1: The surrogate recovery for fluoranthene-d10 (126%) and benzo(a)pyrene-d12 (122%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

WG2288178-2: The surrogate recoveries were outside the acceptance criteria for benzo(a)pyrene-d12 (125%); however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported and all associated compounds are considered to have a potential bias.

The WG2288178-2 LCS/LCSD recoveries associated with L2669387-01 through -05 were above the acceptance criteria for benzo(a)pyrene (153%), benzo(b)fluoranthene (142%), benzo(k)fluoranthene (146%), chrysene (157%), benzo(ghi)perylene (145%), dibenz(a,h)anthracene (146%) and indeno(1,2,3-cd)pyrene (164%); however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported and all positive detects for these compounds are considered to have a potentially high bias.

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:  Jennifer Jerome

Title: Technical Director/Representative Date: 10/27/26

QC OUTLIER SUMMARY REPORT

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2669387
Report Date: 10/27/26

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
PAHs in Air - Mansfield Lab								
TO-13A(M)	Laboratory Method Bl	WG2288178-1	Fluoranthene-d10	Surrogate	126	60-120	-	potential high bias
TO-13A(M)	Laboratory Method Bl	WG2288178-1	Benzo(a)pyrene-d12	Surrogate	122	60-120	-	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Benzo(a)pyrene	LCS	153	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Benzo(b)fluoranthene	LCS	142	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Benzo(k)fluoranthene	LCS	146	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Chrysene	LCS	157	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Benzo(ghi)perylene	LCS	145	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Dibenz(a,h)anthracene	LCS	146	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Indeno(1,2,3-cd)Pyrene	LCS	164	60-140	01-05	potential high bias
TO-13A(M)	Batch QC	WG2288178-2	Benzo(a)pyrene-d12	Surrogate	125	60-120	-	potential high bias

AIR

Project Name: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

SAMPLE RESULTS

Lab ID: L2669387-01
Client ID: LOC. 1
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:05
Date Received: 10/15/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 18:25
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Volume of Air: 1.475 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.678	--	1
Fluoranthene	ND		ug/m3	0.678	--	1
Naphthalene	ND		ug/m3	1.36	--	1
Benz(a)anthracene	ND		ug/m3	0.678	--	1
Benzo(a)pyrene	ND		ug/m3	0.678	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.678	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.678	--	1
Chrysene	ND		ug/m3	0.678	--	1
Acenaphthylene	ND		ug/m3	0.678	--	1
Anthracene	ND		ug/m3	0.678	--	1
Benzo(ghi)perylene	ND		ug/m3	0.678	--	1
Fluorene	ND		ug/m3	0.678	--	1
Phenanthrene	ND		ug/m3	0.678	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.678	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.678	--	1
Pyrene	ND		ug/m3	0.678	--	1
Perylene	ND		ug/m3	0.678	--	1
Benzo(e)Pyrene	ND		ug/m3	0.678	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	112		60-120
Benzo(b)fluoranthene-d12	119		60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	118		60-120

Project Name: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

SAMPLE RESULTS

Lab ID: L2669387-02
Client ID: LOC. 2
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:10
Date Received: 10/15/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 18:55
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Volume of Air: 1.475 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.678	--	1
Fluoranthene	ND		ug/m3	0.678	--	1
Naphthalene	ND		ug/m3	1.36	--	1
Benz(a)anthracene	ND		ug/m3	0.678	--	1
Benzo(a)pyrene	ND		ug/m3	0.678	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.678	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.678	--	1
Chrysene	ND		ug/m3	0.678	--	1
Acenaphthylene	ND		ug/m3	0.678	--	1
Anthracene	ND		ug/m3	0.678	--	1
Benzo(ghi)perylene	ND		ug/m3	0.678	--	1
Fluorene	ND		ug/m3	0.678	--	1
Phenanthrene	ND		ug/m3	0.678	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.678	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.678	--	1
Pyrene	ND		ug/m3	0.678	--	1
Perylene	ND		ug/m3	0.678	--	1
Benzo(e)Pyrene	ND		ug/m3	0.678	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	113		60-120
Benzo(b)fluoranthene-d12	116		60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	119		60-120

Project Name: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

SAMPLE RESULTS

Lab ID: L2669387-03
Client ID: LOC. 3
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:25
Date Received: 10/15/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 19:25
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Volume of Air: 1.5 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.667	--	1
Fluoranthene	ND		ug/m3	0.667	--	1
Naphthalene	ND		ug/m3	1.33	--	1
Benz(a)anthracene	ND		ug/m3	0.667	--	1
Benzo(a)pyrene	ND		ug/m3	0.667	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.667	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.667	--	1
Chrysene	ND		ug/m3	0.667	--	1
Acenaphthylene	ND		ug/m3	0.667	--	1
Anthracene	ND		ug/m3	0.667	--	1
Benzo(ghi)perylene	ND		ug/m3	0.667	--	1
Fluorene	ND		ug/m3	0.667	--	1
Phenanthrene	ND		ug/m3	0.667	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.667	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.667	--	1
Pyrene	ND		ug/m3	0.667	--	1
Perylene	ND		ug/m3	0.667	--	1
Benzo(e)Pyrene	ND		ug/m3	0.667	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	110		60-120
Benzo(b)fluoranthene-d12	116		60-120
Fluoranthene-d10	113		60-120
Benzo(a)pyrene-d12	117		60-120

Project Name: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

SAMPLE RESULTS

Lab ID: L2669387-04
Client ID: LOC. 4
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:35
Date Received: 10/15/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 19:55
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Volume of Air: 1.475 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.678	--	1
Fluoranthene	ND		ug/m3	0.678	--	1
Naphthalene	ND		ug/m3	1.36	--	1
Benz(a)anthracene	ND		ug/m3	0.678	--	1
Benzo(a)pyrene	ND		ug/m3	0.678	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.678	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.678	--	1
Chrysene	ND		ug/m3	0.678	--	1
Acenaphthylene	ND		ug/m3	0.678	--	1
Anthracene	ND		ug/m3	0.678	--	1
Benzo(ghi)perylene	ND		ug/m3	0.678	--	1
Fluorene	ND		ug/m3	0.678	--	1
Phenanthrene	ND		ug/m3	0.678	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.678	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.678	--	1
Pyrene	ND		ug/m3	0.678	--	1
Perylene	ND		ug/m3	0.678	--	1
Benzo(e)Pyrene	ND		ug/m3	0.678	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	114		60-120
Benzo(b)fluoranthene-d12	116		60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	115		60-120

Project Name: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

SAMPLE RESULTS

Lab ID: L2669387-05
Client ID: LOC. 5
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:55
Date Received: 10/15/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 20:26
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Volume of Air: 1.475 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.678	--	1
Fluoranthene	ND		ug/m3	0.678	--	1
Naphthalene	ND		ug/m3	1.36	--	1
Benz(a)anthracene	ND		ug/m3	0.678	--	1
Benzo(a)pyrene	ND		ug/m3	0.678	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.678	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.678	--	1
Chrysene	ND		ug/m3	0.678	--	1
Acenaphthylene	ND		ug/m3	0.678	--	1
Anthracene	ND		ug/m3	0.678	--	1
Benzo(ghi)perylene	ND		ug/m3	0.678	--	1
Fluorene	ND		ug/m3	0.678	--	1
Phenanthrene	ND		ug/m3	0.678	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.678	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.678	--	1
Pyrene	ND		ug/m3	0.678	--	1
Perylene	ND		ug/m3	0.678	--	1
Benzo(e)Pyrene	ND		ug/m3	0.678	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	110		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	114		60-120
Benzo(a)pyrene-d12	116		60-120

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2669387
Report Date: 10/27/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 15:23
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Parameter	Result	Qualifier	Units	RL	MDL
PAHs in Air - Mansfield Lab for sample(s): 01-05 Batch: WG2288178-1					
Acenaphthene	ND		ng/cart	1000	--
Fluoranthene	ND		ng/cart	1000	--
Naphthalene	ND		ng/cart	2000	--
Benz(a)anthracene	ND		ng/cart	1000	--
Benzo(a)pyrene	ND		ng/cart	1000	--
Benzo(b)fluoranthene	ND		ng/cart	1000	--
Benzo(k)fluoranthene	ND		ng/cart	1000	--
Chrysene	ND		ng/cart	1000	--
Acenaphthylene	ND		ng/cart	1000	--
Anthracene	ND		ng/cart	1000	--
Benzo(ghi)perylene	ND		ng/cart	1000	--
Fluorene	ND		ng/cart	1000	--
Phenanthrene	ND		ng/cart	1000	--
Dibenz(a,h)anthracene	ND		ng/cart	1000	--
Indeno(1,2,3-cd)Pyrene	ND		ng/cart	1000	--
Pyrene	ND		ng/cart	1000	--
Perylene	ND		ng/cart	1000	--
Benzo(e)Pyrene	ND		ng/cart	1000	--

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2669387
Report Date: 10/27/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-13A(M)
Analytical Date: 10/26/26 15:23
Analyst: MC

Extraction Method: EPA 3540C
Extraction Date: 10/22/26 17:32

Parameter	Result	Qualifier	Units	RL	MDL
PAHs in Air - Mansfield Lab for sample(s): 01-05 Batch: WG2288178-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	117		60-120
Fluoranthene-d10	**126**	Q	60-120
Benzo(a)pyrene-d12	**122**	Q	60-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2669387
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG2288178-2								
Acenaphthene	134		-		60-140	-		
Fluoranthene	139		-		60-140	-		
Naphthalene	136		-		60-140	-		
Benz(a)anthracene	140		-		60-140	-		
Benzo(a)pyrene	**153**	Q	-		60-140	-		
Benzo(b)fluoranthene	**142**	Q	-		60-140	-		
Benzo(k)fluoranthene	**146**	Q	-		60-140	-		
Chrysene	**157**	Q	-		60-140	-		
Acenaphthylene	140		-		60-140	-		
Anthracene	133		-		60-140	-		
Benzo(ghi)perylene	**145**	Q	-		60-140	-		
Fluorene	137		-		60-140	-		
Phenanthrene	134		-		60-140	-		
Dibenz(a,h)anthracene	**146**	Q	-		60-140	-		
Indeno(1,2,3-cd)Pyrene	**164**	Q	-		60-140	-		
Pyrene	138		-		60-140	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2669387
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG2288178-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pyrene-d10	114				60-120
Benzo(b)fluoranthene-d12	118				60-120
Fluoranthene-d10	120				60-120
Benzo(a)pyrene-d12	**125**	Q			60-120

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2669387
Report Date: 10/27/26

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2669387-01A	PUF Air Cartridge - High or Low	A	NA		999	Y	Absent		A2-TO13-8270L(7)
L2669387-02A	PUF Air Cartridge - High or Low	A	NA		999	Y	Absent		A2-TO13-8270L(7)
L2669387-03A	PUF Air Cartridge - High or Low	A	NA		999	Y	Absent		A2-TO13-8270L(7)
L2669387-04A	PUF Air Cartridge - High or Low	A	NA		999	Y	Absent		A2-TO13-8270L(7)
L2669387-05A	PUF Air Cartridge - High or Low	A	NA		999	Y	Absent		A2-TO13-8270L(7)

*Values in parentheses indicate holding time in days

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2669387
Project Number:	ECM#260542	**Report Date:**	10/27/26

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: Data Usability Report

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2669387
Project Number:	ECM#260542	**Report Date:**	10/27/26

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2669387
Project Number:	ECM#260542	**Report Date:**	10/27/26

Data Qualifiers

ND	- Not detected at the reporting limit (RL) for the sample.
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: QUONSET AMBIENT SAMPLES **Lab Number:** L2669387

Project Number: ECM#260542 **Report Date:** 10/27/26

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.

ENV-FORM-WES2-0065 v03 Certificate/Approval Program Summary

Certification Information

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

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
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.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
Biological Tissue Matrix: EPA 3050B

PAS-MAN1 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.
MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028
EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.
EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.
EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.
EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran. 1,3,5-Trichlorobenzene, Freon-113.
EPA 8270E: NPW: Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.
EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.
EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.
SM4500: NPW: Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH3, NECi: NO2, NO3, ASTMD516.

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

PAS-MANS 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:

PAS-WES2 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 504.1: EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,**.

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, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

PAS-MANS 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, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

ENV-FORM-WES2-0065 v03 Certificate/Approval Program Summary

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water
EPA 300.0: NO3, NO2, Fl, Cl, SO4. **NECI Reductase**: NO3, NO2.
SM4500F-C, SM4500Cl-B, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.
EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water
SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500Cl-B, SM4500NH3-B, C, EPA 350.1, NECi: NO3, **SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500Cl-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0:** Cl, SO4, NO3.
EPA 624.1: Volatile Halocarbons, Volatile 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 Extractables and Base/Neutrals
Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NV MA00030, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028
CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

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

AIR ANALYSIS - SORBENT MEDIA
CHAIN OF CUSTODY

Page 1 of 1

Date Rec'd in Lab: 10/16/26

ALPHA Job #: L2669387

Westborough, MA TEL: 508-898-9220 FAX: 508-822-3288
Mansfield, MA TEL: 508-822-9300 508-822-3288

Client Information
Client: ENGLANDDEV
Address: 260 WEST EXCHANGE ST.
PROV. RI 02903
Phone: 401 486-6583
Fax:
Email: TIMOTHYC@ELD-SERVICES.NET

Project Information
Project Name: QUONSET AMBIENT SAMPLES
Project Location: QUONSET, NK, RI
Project #: ECM # 260542
(Use Project name as Project #)
Project Manager: TIM REGAN
ALPHA Quote #: 00218326

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] Time:

Report Information - Data Deliverables
[ ] FAX
[ ] ADEX
Criteria Checker:
Other Formats:
[ ] EMAIL
[ ] Add'l Deliverables
Report to: (if different than Manager)

Billing Information
[X] Same as Client Info
PO #

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
RI		

These samples have been previously analyzed by Alpha: [ ]

Other Project Specific Requirements / Comments/Detection Limits

For PCBs Selection is REQUIRED
[ ] Congeners
[ ] Homologs
[ ] Aroclors (low Vol only)

Analysis

NOTE: For metals, please specify elements of interest and media type.
[ ] PM-10 Filter
[ ] TSP Filter
[ ] MCE

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Flow Rate (L/min)	Total Volume(L)	Sample Matrix*	Sampler's Initials	Media ID# (1)	TO-13A (FULL SCAN)	PCBs (High Vol)	PCBs (Low Vol)	Hg via NIOSH 6009 Mod.	Metals	PM-10 Filter	TSP Filter	Sample Comments (i.e. PID)
69387-01	LOC. 1	10/15/26	4:10A	8:05A	5 LPM	1475	AA	DJS	1	X							
-02	LOC. 2	10/15/26	4:15A	9:10A	"	1475	"	DJS	2	X							
-03	LOC. 3	10/15/26	3:25A	8:25A	"	1500	"	DJS	3	X							
-04	LOC. 4	10/15/26	3:40A	8:35A	"	1475	"	DJS	4	X							
-05	LOC. 5	10/15/26	4:00A	8:55A	"	1475	"	DJS	5	X							
Media Type										P	P	P	T	F	F	F	

*SAMPLE MATRIX CODES: AA = Ambient Air (Indoor/Outdoor); SV = Soil Vapor/Landfill Gas/SVE; Other = Please Specify

(1) Required for PUF cartridges, PM-10 and TSP filters

Media Code
F = Filter
P = PUF Cartridge
T = Sorbent Tube
O = Other

Relinquished By:	Date/Time	Received By:	Date/Time
	10/15/26 10:45A		10/15/26 13:55
10/15/26	19:15	AL	10-15-26 19:20
10-15-26	21:00	AL	10-16 0200
AL	10-16 0440	Dylan Beaulieu	10/16/26 04:40

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

Form No: 101-20 (rev 23-MARCH 2020)

Sample Delivery Group Summary

Pace Job Number : L2669387
Received : 15-OCT-2026
Reviewer : Jennifer Jerome

Account Name : Engineering & Land Development Serv
Project Number : ECM#260542
Project Name : QUONSET AMBIENT SAMPLES

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/	Ice	5.7	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

ANALYTICAL REPORT

Lab Number:	L2670323
Client:	Engineering & Land Development Services 260 West Exchange St Suite 102A Providence, RI 02903
ATTN:	Timothy Regan
Phone:	(401) 486-6583
Project Name:	QUONSET AMBIENT SAMPLES
Project Number:	ECM#260542
Report Date:	10/27/26

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

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

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2670323-01	LOC 1	AIR	QUONSET, NK, RI	10/15/26 09:05	10/16/26
L2670323-02	LOC 2	AIR	QUONSET, NK, RI	10/15/26 09:11	10/16/26
L2670323-03	LOC 3	AIR	QUONSET, NK, RI	10/15/26 08:25	10/16/26
L2670323-04	LOC 4	AIR	QUONSET, NK, RI	10/15/26 08:35	10/16/26
L2670323-05	LOC 5	AIR	QUONSET, NK, RI	10/15/26 08:55	10/16/26

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2670323
Project Number:	ECM#260542	**Report Date:**	10/27/26

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:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2670323
Project Number:	ECM#260542	**Report Date:**	10/27/26

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 8, 2026. The canister certification data is provided as an addendum.

The WG2289324-3 LCS recovery associated with L2670323-01 through -05 is below the acceptance limit for vinyl acetate (50%). All samples associated with this LCS would be considered biased for this analyte.

The WG2289324-2 CCAL %D associated with L2670323-01 through -05 is outside the acceptance limit for vinyl acetate (50%D). All samples associated with this CCAL would be considered biased for this analyte.

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:  Jennifer Jerome

Title: Technical Director/Representative Date: 10/27/26

QC OUTLIER SUMMARY REPORT

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
Volatile Organics in Air - Mansfield Air Lab								
TO-15	Batch QC	WG2289324-3	Vinyl acetate	LCS	50	70-130	01-05	potential low bias

AIR

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-01
Client ID: LOC 1
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:05
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/26/26 00:11
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	0.552	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.39	1.00	--	8.05	2.38	--		1
Trichlorofluoromethane	0.210	0.200	--	1.18	1.12	--		1
Isopropanol	1.45	1.00	--	3.56	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-01
Client ID: LOC 1
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:05
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-01
Client ID: LOC 1
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:05
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	62		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	73		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-02
Client ID: LOC 2
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:11
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/26/26 00:51
Analyst: RAY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	0.551	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.86	1.00	--	6.79	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	1.36	1.00	--	3.34	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-02
Client ID: LOC 2
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:11
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-02
Client ID: LOC 2
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 09:11
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	74		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-03
Client ID: LOC 3
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:25
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/26/26 01:30
Analyst: RAY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.505	0.200	--	2.50	0.989	--		1
Chloromethane	0.568	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.44	1.00	--	8.17	2.38	--		1
Trichlorofluoromethane	0.276	0.200	--	1.55	1.12	--		1
Isopropanol	1.84	1.00	--	4.52	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-03
Client ID: LOC 3
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:25
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.543	0.500	--	1.60	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-03
Client ID: LOC 3
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:25
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	62		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	76		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-04
Client ID: LOC 4
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:35
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/26/26 02:10
Analyst: RAY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.496	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.6	5.00	--	21.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.7	1.00	--	34.9	2.38	--		1
Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--		1
Isopropanol	26.9	1.00	--	66.1	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	0.733	0.500	--	2.16	1.47	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-04
Client ID: LOC 4
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:35
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	20.3	0.500	--	73.2	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.63	0.500	--	4.81	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-04
Client ID: LOC 4
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:35
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	66		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	77		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-05
Client ID: LOC 5
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:55
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/26/26 02:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.701	0.200	--	1.45	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.38	1.00	--	10.4	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	2.13	1.00	--	5.24	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-05
Client ID: LOC 5
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:55
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	0.647	0.500	--	2.33	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.214	0.200	--	0.806	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

SAMPLE RESULTS

Lab ID: L2670323-05
Client ID: LOC 5
Sample Location: QUONSET, NK, RI

Date Collected: 10/15/26 08:55
Date Received: 10/16/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	67		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	76		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/25/26 18:24

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05 Batch: WG2289324-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/25/26 18:24

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05 Batch: WG2289324-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542
Lab Number: L2670323
Report Date: 10/27/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/25/26 18:24

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05 Batch: WG2289324-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05 Batch: WG2289324-3								
Propylene	106		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	107		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	105		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethanol	93		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	100		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 01-05		Batch: WG2289324-3					
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
Vinyl acetate	**50**	Q	-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	104		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	108		-		70-130	-		
1,1,1-Trichloroethane	106		-		70-130	-		
Benzene	107		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	104		-		70-130	-		
1,2-Dichloropropane	109		-		70-130	-		
Bromodichloromethane	107		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	110		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05 Batch: WG2289324-3								
Heptane	114		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	113		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	98		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Tetrachloroethene	95		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 01-05		Batch: WG2289324-3					
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	81		-		70-130	-		
1,3-Dichlorobenzene	102		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	90		-		70-130	-		
Naphthalene	72		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Project Name: QUONSET AMBIENT SAMPLES

Lab Number: L2670323

Project Number: ECM#260542

Report Date: 10/27/26

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2670323-01	LOC 1	0840	Flow 4	10/08/26	586674		-	-	-	Pass	7.2	7.4	3
L2670323-01	LOC 1	6245	2.7L Can	10/08/26	586674	L2665038-01	Pass	-29.4	-5.1	-	-	-	-
L2670323-02	LOC 2	01371	Flow 4	10/08/26	586674		-	-	-	Pass	7.2	7.3	1
L2670323-02	LOC 2	6252	2.7L Can	10/08/26	586674	L2665038-01	Pass	-29.3	-5.1	-	-	-	-
L2670323-03	LOC 3	03107	Flow 4	10/08/26	586674		-	-	-	Pass	7.2	7.7	7
L2670323-03	LOC 3	6244	2.7L Can	10/08/26	586674	L2665038-01	Pass	-29.3	-5.4	-	-	-	-
L2670323-04	LOC 4	03258	Flow 4	10/08/26	586674		-	-	-	Pass	7.3	7.8	7
L2670323-04	LOC 4	3753	2.7L Can	10/08/26	586674	L2665038-01	Pass	-29.4	-4.3	-	-	-	-
L2670323-05	LOC 5	03049	Flow 4	10/08/26	586674		-	-	-	Pass	7.1	7.6	7
L2670323-05	LOC 5	6205	2.7L Can	10/08/26	586674	L2665038-01	Pass	-29.3	-6.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/03/26 21:51
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

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

Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	0.996	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2665038

Project Number: CANISTER QC BAT **Report Date:** 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	5.0	J	ppbV		1
Cyclotrisiloxane, Hexamethyl-	3.2	NJ	ppbV		1

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

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

Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/03/26 21:51
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2665038

Project Number: CANISTER QC BAT **Report Date:** 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2665038
Report Date: 10/27/26

Air Canister Certification Results

Lab ID: L2665038-01
Client ID: CAN 6259 SHELF 57
Sample Location:

Date Collected: 10/01/26 19:00
Date Received: 10/02/26
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140

Project Name: QUONSET AMBIENT SAMPLES
Project Number: ECM#260542

Lab Number: L2670323
Report Date: 10/27/26

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2670323-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2670323-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2670323-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2670323-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2670323-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2670323
Project Number:	ECM#260542	**Report Date:**	10/27/26

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: Data Usability Report

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2670323
Project Number:	ECM#260542	**Report Date:**	10/27/26

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	QUONSET AMBIENT SAMPLES	**Lab Number:**	L2670323
Project Number:	ECM#260542	**Report Date:**	10/27/26

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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: QUONSET AMBIENT SAMPLES **Lab Number:** L2670323

Project Number: ECM#260542 **Report Date:** 10/27/26

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.

ENV-FORM-WES2-0065 v03 Certificate/Approval Program Summary

Certification Information

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

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
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.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
Biological Tissue Matrix: EPA 3050B

PAS-MAN1 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.
MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028
EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.
EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.
EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.
EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran. 1,3,5-Trichlorobenzene, Freon-113.
EPA 8270E: NPW: Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.
EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.
EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.
SM4500: NPW: Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH3, NECi: NO2, NO3, ASTMD516.

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

PAS-MANS 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:

PAS-WES2 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 504.1: EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,**.

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, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

PAS-MANS 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, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

ENV-FORM-WES2-0065 v03 Certificate/Approval Program Summary

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water
EPA 300.0: NO3, NO2, Fl, Cl, SO4. **NECI Reductase**: NO3, NO2.
SM4500F-C, SM4500Cl-B, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.
EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water
SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500Cl-B, SM4500NH3-B, C, EPA 350.1, NECi: NO3, **SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500Cl-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0:** Cl, SO4, NO3.
EPA 624.1: Volatile Halocarbons, Volatile 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 Extractables and Base/Neutrals
Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NV MA00030, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028
CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

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

AIR ANALYSIS

PAGE 1 OF 1

Pace ANALYTICAL SERVICES

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 10/16/26

Pace® Job #: ~~L2669387~~ 70323 LKC

Client Information

Client: ENGLANDDEV

Address: 260 WEST EXCHANGE ST.
PROV RI 02903

Phone: 401 486-6583

Fax:

Email: TIMOTHY@ELD-SERVICES.NET

☐ These samples have been previously analyzed by Pace

Project Information

Project Name: QUONSET AMBIENT SAMPLES

Project Location: QUONSET, NK RI

Project #: SCM #260542

Project Manager: TIM REGAN

Pace® Quote #: 00218326

Turn-Around Time

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

Date Due: Time:

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)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
RI		

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
LKC ~~69387~~-01	LOC 1	10/15/26	4:10A	9:05A	-30.11	-5.96	AA	DJS	2.7L	6245	FC0840	X					
70323-02	LOC 2	10/15/26	4:15A	9:11A	-30.17	-5.84	AA	DJS	↓	6252	FC01371	X					
-03	LOC 3	10/15/26	3:30A	8:25A	-29.73	-6.19	AA	DJS		6244	FC03107	X					
-04	LOC 4	10/15/26	3:44A	8:35A	-30.12	-5.12	AA	DJS		3753	FC03258	X					
-05	LOC 5	10/15/26	4:00A	8:55A	-29.93	-7.32	AA	DJS	✓	6205	FC03049	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	10/16/26 10:55A	AL	10-16 0460
AL	10-16 0500	Lauren Cho	10/16/26 0500

Form No: 101-02 Rev: (25-Sep-15)

Sample Delivery Group Summary

Pace Job Number : L2670323
Received : 16-OCT-2026
Reviewer : Jennifer Jerome

Account Name : Engineering & Land Development Serv
Project Number : ECM#260542
Project Name : QUONSET AMBIENT SAMPLES

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**