



SoundEarth Strategies, Inc.
2320 West Commodore Way, Suite 110
Seattle, Washington 98199

April 8, 2026

Sunny Becker
Washington State Department of Ecology
Toxics Cleanup Program
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, Washington 98133

SUBJECT: 2025 VAPOR INTRUSION ASSESSMENT – JANKE BUILDING
Plastic Sales and Service Site
6870 Woodlawn Avenue Northeast, Seattle, Washington
Project Number: 0651-002

Dear Ms. Becker:

SoundEarth Strategies, Inc. (SoundEarth) is pleased to provide you with the results from the vapor intrusion assessment conducted at the Janke Building, located at 6869 Woodlawn Avenue Northeast in Seattle, Washington, in December 2025. The Janke Building is situated to the north of the Plastic Sales and Services Site (the Site), which encompasses the property located at 6870 Woodlawn Avenue Northeast and adjacent rights-of-way (ROWs). Groundwater beneath the ROWs adjacent to the Janke Building has been impacted by a release of chlorinated volatile organic compounds (CVOCs) originating at the Site. The purpose of the December 2025 vapor intrusion assessment conducted at the Janke Building was to supplement the soil gas and indoor air data collected at the Janke Building in December 2023 and December 2024 and to further evaluate whether CVOC vapors originating from groundwater adjacent to the Janke Building pose a risk to human health within the Janke Building through the vapor inhalation pathway. The December 2025 sampling event represents the third of three vapor intrusion assessments requested by the Washington State Department of Ecology (Ecology) for the Janke Building. The vapor intrusion assessment was performed in general accordance with Ecology's *Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action*, dated October 2009 and finalized in March 2022 (Ecology's 2022 vapor intrusion guidance).

DECEMBER 2025 SAMPLING ACTIVITIES

The December 2025 vapor intrusion assessment included the collection of five indoor air samples, one outdoor ambient air sample, and two sub-slab soil gas samples from the Janke Building. Sample locations were consistent with the locations of samples collected during the December 2024 vapor intrusion assessment. The following sections summarize the vapor intrusion assessment activities completed at the Site during this sampling event.

Building Survey

Prior to collecting air quality samples, SoundEarth completed a building survey of the Janke Building to evaluate the potential presence of CVOC sources or materials that may contribute to background indoor air

contamination. SoundEarth identified potential CVOC sources during the building survey and removed them to the extent feasible from the building at least 48 hours prior to sample collection.

Indoor Air, Ambient Air, and Sub-Slab Soil Gas Sampling

On December 16, 2025, SoundEarth collected five indoor air samples (IA01 through IA05), one outdoor ambient air sample (OA01), and two sub-slab soil gas samples (SS01 and SS02) at the Janke Building. Indoor air, outdoor ambient air, and sub-slab soil gas samples were collected using the procedures and methodologies described in SoundEarth's *Vapor Intrusion Assessment Sampling and Analysis Plan, Plastic Sales and Service Site, 6870 Woodlawn Avenue Northeast, Seattle, Washington*, dated August 15, 2023 (2023 Vapor Intrusion Assessment SAP). Sample locations are shown on Figures 1 and 2. Sub-slab soil gas, indoor air, and outdoor air sample results are presented in Tables 1 and 2.

Indoor air, outdoor ambient air, and sub-slab soil gas samples were submitted to Friedman and Bruya, Inc. (F&B) laboratory for analysis of CVOCs by US Environmental Protection Agency (EPA) Method TO-15. Sub-slab soil gas samples were also submitted to F&B for analysis of helium by Method ASTM D1946.

DECEMBER 2025 ANALYTICAL RESULTS

CVOCs, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and trans-1,2-DCE, were not detected at concentrations above laboratory reporting limits in any of the sub-slab soil, indoor air, or outdoor air samples collected during the vapor intrusion assessment.

During the sub-slab soil gas sampling, helium was used as a tracer gas to evaluate whether ambient air was infiltrating into the sampling points. Each of the soil gas samples was analyzed by the laboratory for helium. Helium was not detected in the sample collected from soil gas point SS01. The sample collected from soil gas point SS02 contained helium at a concentration of 0.7 percent. Based on Ecology and California Department of Toxic Substances Control guidance, if the tracer compound concentration in the sample is less than 5 percent of the tracer compound concentration in the shroud around the sampling point, the sample train leak is considered to be insignificant. In this case, the helium concentration in the sample (0.7 percent) was approximately 2.33 percent of the helium concentration that was measured in the shroud during sampling (30 percent). Therefore, the helium detected in this sample does not indicate a significant breach of the sample train, and the analytical results for this sample are reliable.

CONCLUSIONS

Based on the findings of the vapor intrusion assessments conducted at the Janke Building between December 2023 and December 2025, elevated concentrations of CVOCs in groundwater beneath the ROW adjacent to the Janke Building have not resulted in elevated CVOC concentrations in sub-slab soil gas beneath the building and do not pose a risk to human health through the indoor air inhalation pathway at this time.

Please let us know if you have any questions.

Respectfully,

SoundEarth Strategies, Inc.



Clare Tochilin, LG
Senior Geologist



Tom Cammarata, LHG
Principal

Attachments: Figure 1, Sub-Slab Soil Gas Analytical Results – 2025 Janke Building Vapor Intrusion Assessment
Figure 2, Indoor Air Analytical Results – 2025 Janke Building Vapor Intrusion Assessment
Table 1, Summary of Sub-Slab Soil Gas Analytical Results
Attachment A, Laboratory Reports
Friedman & Bruya #512345
Friedman & Bruya #512346

FIGURES

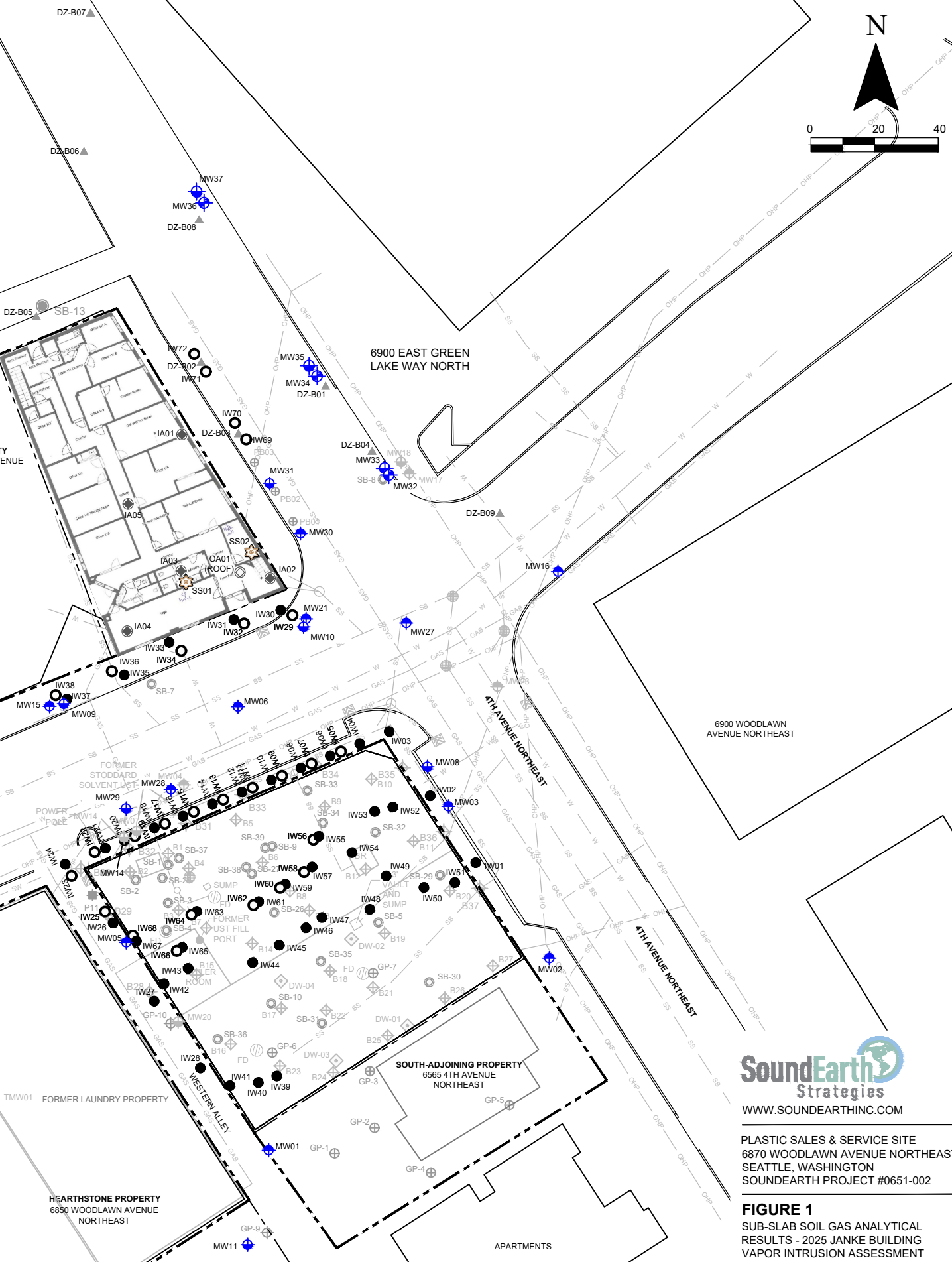
4/7/2026
\\S-FS01\ID\SECURRENT\PROJECTS\0651-002 HEARTHSTONE - WOODLAWN EAST\TECHNICAL\CAD\2026\2025 JANKE BUILDING SAMPLING\0651-002 2025-JANKE VI - SG RESULTS2.DWG

LEGEND

- INDOOR AIR SAMPLE LOCATION (SOUNDEARTH 2023-2025)
- OUTDOOR AIR SAMPLE LOCATION (SOUNDEARTH 2023-2025)
- SUB-SLAB SOIL GAS SAMPLE LOCATION (SOUNDEARTH 2023-2025)
- CATCH BASIN
- MANHOLE
- SHALLOW-ZONE MONITORING WELL
- DEEP-ZONE MONITORING WELL
- INTERMEDIATE DEEP-ZONE MONITORING WELL
- DEEP DEWATERING WELL
- SHALLOW INJECTION WELL
- DEEP INJECTION WELL
- DECOMMISSIONED WELL
- DIRECT-PUSH BORING (GEOENGINEERS 2002/2003)
- DIRECT-PUSH BORING (GEOENGINEERS 2004)
- DIRECT-PUSH BORING (FARALLON 2004)
- DIRECT-PUSH BORING (FARALLON 2006/2007)
- DIRECT-PUSH BORING (FARALLON 2010)
- DIRECT-PUSH BORING (SOUNDEARTH 2008)
- HOLLOW-STEM AUGER (SOUNDEARTH 2009)
- POST-ELECTRICAL RESISTANCE HEATING BORING LOCATION
- SONIC BORING (SOUNDEARTH 2021-2022)
- STORMWATER LINE
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- OVERHEAD POWER LINE
- PROPERTY BOUNDARY LINE
- PARCEL BOUNDARY
- FLOOR DRAIN
- UNDERGROUND STORAGE TANK
- DICHLOROETHENE
- WASHINGTON STATE MODEL TOXICS CONTROL ACT
- TETRACHLOROETHENE
- TRICHLOROETHENE

- NOTES:
- FIGURE DERIVED FROM BASEMAP BY FARALLON CONSULTING, 2010.

Sample Location ID	Location	Sample Date	Analytical Results (micrograms per cubic meter)				
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
SS01	Janke building - southeastern crawl space hatch	12/04/23	<37	<0.59	<2.2	<2.2	<1.4
		12/17/24	<59	<0.94	<3.4	<3.4	<2.2
		12/16/25	<42	<0.67	<2.5	<2.5	<0.79
SS02	Janke building - southern crawl space hatch	12/04/23	<37	<0.59	<2.2	<2.2	<1.4
		12/17/24	<61	<0.97	<3.6	<3.6	<2.3
		12/16/25	<37	<0.59	<2.2	<2.2	<0.7
MTCA Sub-Slab Soil Gas Screening Levels for Commercial Workers			1,500	95	5,200	5,200	44



SoundEarth Strategies
WWW.SOUNDEARTHINC.COM

PLASTIC SALES & SERVICE SITE
6870 WOODLAWN AVENUE NORTHEAST
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0651-002

FIGURE 1
SUB-SLAB SOIL GAS ANALYTICAL RESULTS - 2025 JANKE BUILDING VAPOR INTRUSION ASSESSMENT

TABLES



Table 1
Summary of Sub-Slab Soil Gas Analytical Results
Plastic Sales and Service Site (Janke Building)
6870 Woodlawn Avenue Northeast
Seattle, Washington

Sample Location ID	Sample ID	Location	Sampled By	Sample Date	Analytical Results ⁽¹⁾ (µg/m³)				
					PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
SS01	SS01-20231204	Janke building - southeastern crawl space hatch	SoundEarth	12/04/23	<37	<0.59	<2.2	<2.2	<1.4
	12/17/24			<59	<0.94	<3.4	<3.4	<2.2	
	12/16/25			<42	<0.67	<2.5	<2.5	<0.79	
SS02	SS02-20231204	Janke building - southern crawl space hatch		12/04/23	<37	<0.59	<2.2	<2.2	<1.4
	12/17/24			<61	<0.97	<3.6	<3.6	<2.3	
	12/16/25			<37	<0.59	<2.2	<2.2	<0.7	
MTCA Sub-Slab Soil Gas Screening Levels for Commercial Workers					1,500 ⁽²⁾	95 ⁽²⁾	5,200 ⁽³⁾	5,200 ⁽³⁾	44 ⁽²⁾

NOTES:

Chemical analyses conducted by Friedman & Bruya, Inc. of Seattle, Washington.

⁽¹⁾Analyzed by EPA Method TO-15.

⁽²⁾Vapor Intrusion Screening Level for Commercial Worker, Soil Gas Screening Level, Cancer, CLARC database, CLARC Website <<https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>>.

⁽³⁾Vapor Intrusion Screening Level for Commercial Worker, Soil Gas Screening Level, Noncancer, CLARC database, CLARC Website <<https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>>.

µg/m³ = microgram per cubic meter

< = concentration not detected above the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

DCE = dichloroethene

EPA = US Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

PCE = tetrachloroethene

SoundEarth = SoundEarth Strategies, Inc.

TCE = trichloroethene



Table 2
Summary of Indoor Air Analytical Results
Plastic Sales and Service Site (Janke Building)
6870 Woodlawn Avenue Northeast
Seattle, Washington

Sample Location ID	Sample ID	Location	Sampled by	Sample Type	Sample Date	Analytical Results ⁽¹⁾ (µg/m ³)				
						PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
IA01	IA01-20231204	Northeastern portion of Janke building	SoundEarth	Indoor Air	12/04/23	<6.8	0.22	<0.4	<0.4	<0.26
	12/17/24				<6.8	<0.11	<0.4	<0.4	<0.26	
	12/16/25				<7.5	<0.12	<0.44	<0.44	<0.14	
IA02	IA02-20231204	Southeastern corner of Janke building		Indoor Air	12/04/23	<6.8	0.25	<0.4	<0.4	<0.26
	12/27/24				<6.8	<0.11	<0.4	<0.4	<0.26	
	12/16/25				<6.2	<0.098	<0.36	<0.36	<0.12	
IA03	IA03-20231204	Southern portion of Janke building		Indoor Air	12/04/23	<6.8	0.25	<0.4	<0.4	<0.26
	12/17/24				<6.8	<0.11	<0.4	<0.4	<0.26	
	12/16/25				<6.1	<0.097	<0.36	<0.36	<0.12	
IA04	IA04-20241217	Southwestern portion of Janke building		Indoor Air	12/17/24	<6.8	<0.11	<0.4	<0.4	<0.26
	IA04-20251216				12/16/25	<8.1	<0.13	<0.48	<0.48	<0.15
IA05	IA05-20241217	Central portion of Janke building		Indoor Air	12/17/24	<6.8	<0.11	<0.4	<0.4	<0.26
	IA05-20251216				12/16/25	<6.2	<0.098	<0.36	<0.36	<0.12
OA01	OA01-20231204	Southeastern corner of Janke building roof		Outdoor Air	12/04/23	<6.8	<0.11	<0.4	<0.4	<0.26
	12/17/24				<6.8	<0.11	<0.4	<0.4	<0.26	
	12/16/25				<6.5	<0.1	<0.38	<0.38	<0.12	
MTCA Indoor Air Screening Levels for Commercial Workers						44.9 ⁽²⁾	2.85 ⁽²⁾	156 ⁽³⁾	156 ⁽³⁾	1.33 ⁽²⁾

NOTES:

Chemical analyses conducted by Friedman & Bruya, Inc. of Seattle, Washington.

⁽¹⁾Analyzed by EPA Method TO-15.

⁽²⁾Vapor Intrusion Screening Level for Commercial Worker, Indoor Air Screening Level, Cancer, CLARC database, CLARC Website
 <<https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>>.

⁽³⁾Vapor Intrusion Screening Level for Commercial Worker, Indoor Air Screening Level, Noncancer, CLARC database, CLARC Website
 <<https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>>.

µg/m³ = microgram per cubic meter

< = concentration not detected above the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

DCE = dichloroethene

EPA = US Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

PCE = tetrachloroethylene

SoundEarth = SoundEarth Strategies, Inc.

TCE = trichloroethene

ATTACHMENT A
LABORATORY REPORTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya
Ann Webber-Bruya
Michael Erdahl
Vineta Mills
Eric Young

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

December 26, 2025

Tom Cammarata, Project Manager
SoundEarth Strategies
2320 West Commodore Way Suite 110
Seattle, WA 98199

Dear Mr Cammarata:

Included are the results from the testing of material submitted on December 17, 2025 from the SOU_0651-002_20251217, F&BI 512345 project. There are 8 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Clare Tochilin
SOU1226R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 17, 2025 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0651-002_20251217, F&BI 512345 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
512345 -01	SS01-20251216
512345 -02	SS02-20251216

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SS01-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217
Date Collected:	12/16/25	Lab ID:	512345-01 1/6.2
Date Analyzed:	12/19/25	Data File:	121826.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	92	70	130

	Concentration	
Compounds:	ug/m3	ppbv
Vinyl chloride	<0.79	<0.31
trans-1,2-Dichloroethene	<2.5	<0.62
cis-1,2-Dichloroethene	<2.5	<0.62
Trichloroethene	<0.67	<0.12
Tetrachloroethene	<42	<6.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SS02-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217
Date Collected:	12/16/25	Lab ID:	512345-02 1/5.5
Date Analyzed:	12/19/25	Data File:	121828.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	85	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.7	<0.28
trans-1,2-Dichloroethene	<2.2	<0.55
cis-1,2-Dichloroethene	<2.2	<0.55
Trichloroethene	<0.59	<0.11
Tetrachloroethene	<37	<5.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0651-002_20251217
Date Collected:	Not Applicable	Lab ID:	05-3155 MB
Date Analyzed:	12/18/25	Data File:	121814.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	80	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.13	<0.05
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/26/25

Date Received: 12/17/25

Project: SOU_0651-002_20251217, F&BI 512345

Date Extracted: 12/22/25

Date Analyzed: 12/23/25

**RESULTS FROM THE ANALYSIS OF AIR SAMPLES
FOR HELIUM USING METHOD ASTM D1946**

Results Reported as % Helium

Sample ID

Laboratory ID

Helium

SS01-20251216

512345-01

<0.6

SS02-20251216

512345-02

0.7

Method Blank

O5-3217 MB

<0.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/26/25

Date Received: 12/17/25

Project: SOU_0651-002_20251217, F&BI 512345

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 512345-01 1/6.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 25)
Vinyl chloride	ug/m3	<0.79	<0.79	nm
trans-1,2-Dichloroethene	ug/m3	<2.5	<2.5	nm
cis-1,2-Dichloroethene	ug/m3	<2.5	<2.5	nm
Trichloroethene	ug/m3	<0.67	<0.67	nm
Tetrachloroethene	ug/m3	<42	<42	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	105	70-130
trans-1,2-Dichloroethene	ug/m3	54	102	70-130
cis-1,2-Dichloroethene	ug/m3	54	99	70-130
Trichloroethene	ug/m3	73	110	70-130
Tetrachloroethene	ug/m3	92	118	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/26/25

Date Received: 12/17/25

Project: SOU_0651-002_20251217, F&BI 512345

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR HELIUM
USING METHOD ASTM D1946**

Laboratory Code: 512379-01 (Duplicate)

Analyte	Sample Result (%)	Duplicate Result (%)	Relative Percent Difference	Acceptance Criteria
Helium	0.6	0.7	15	0-20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512345

SAMPLE CHAIN OF CUSTODY

12/17/85

Send report to Tom Cammarata, Clare TochlinCompany SoundEarth Strategies, Inc.Address 2300 West Commodore Way, Suite 110City, State, ZIP Seattle, Washington 98199Phone # 206-306-1900 Fax # 206-306-1907Page # 1 of 1SAMPLERS (signature) [Signature]

PO #

TURNAROUND TIME
Standard (2 weeks)
RUSH

Rush charges authorized by:

REMARKS

Plastics Sales & Service
0651-002

SAMPLE DISPOSAL

Dispose after 30 days
Return samples
Will call with instructions

SOIL GAS Reporting Levels

Sample ID	Lab ID	Canister ID	Flow Controller ID	Date Sampled	Field Initial Pressure (Inches of Hg)	Field Initial Time	Field Final Pressure (Inches of Hg)	Field Final Time	ANALYSES REQUESTED		Notes
									PCE, TCE, cis- and trans-1,2-DCE, Vinyl Chloride	HELIUM	
SS01-20251216	01	3260	221	12/16/25	-30	1208	-8	1213	X	X	
SS02-20251216	02	3385	201	12/16/25	-30	1312	-7	1318	X	X	

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 512345 CLIENT Sound INITIALS/ AP
DATE: 12/17/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 14 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO Initials/ AP
*or other representative documents, letters, and/or shipping memos Date: 12/17/25

Number of days samples have been sitting prior to receipt at laboratory 1 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☐ Yes ☐ No	☐ Not on COC/label
Date Sampled	☐ Yes ☐ No	☐ Not on COC/label
Time Sampled	☐ Yes ☐ No	☐ Not on COC/label
# of Containers	☐ Yes ☐ No	
Relinquished	☐ Yes ☐ No	
Requested analysis	☐ Yes ☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☐ NA ☐ YES ☒ NO
Number of unused TO15 canisters** _____ Number of unused TO17 tubes _____

**Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya
Ann Webber-Bruya
Michael Erdahl
Vineta Mills
Eric Young

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

December 26, 2025

Tom Cammarata, Project Manager
SoundEarth Strategies
2320 West Commodore Way Suite 110
Seattle, WA 98199

Dear Mr Cammarata:

Included are the results from the testing of material submitted on December 17, 2025 from the SOU_0651-002_20251217, F&BI 512346 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Clare Tochilin
SOU1226R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 17, 2025 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0651-002_20251217, F&BI 512346 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
512346 -01	IA02-20251216
512346 -02	IA05-20251216
512346 -03	IA01-20251216
512346 -04	IA03-20251216
512346 -05	IA04-20251216
512346 -06	OA01-20251216

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA02-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-01 1/0.91
Date Analyzed:	12/19/25	Data File:	121824.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	86	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.12	<0.045
trans-1,2-Dichloroethene	<0.36	<0.091
cis-1,2-Dichloroethene	<0.36	<0.091
Trichloroethene	<0.098	<0.018
Tetrachloroethene	<6.2	<0.91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA05-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-02 1/0.91
Date Analyzed:	12/19/25	Data File:	121823.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	84	70	130

	Concentration	
Compounds:	ug/m3	ppbv
Vinyl chloride	<0.12	<0.045
trans-1,2-Dichloroethene	<0.36	<0.091
cis-1,2-Dichloroethene	<0.36	<0.091
Trichloroethene	<0.098	<0.018
Tetrachloroethene	<6.2	<0.91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA01-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-03 1/1.1
Date Analyzed:	12/19/25	Data File:	121822.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	84	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.14	<0.055
trans-1,2-Dichloroethene	<0.44	<0.11
cis-1,2-Dichloroethene	<0.44	<0.11
Trichloroethene	<0.12	<0.022
Tetrachloroethene	<7.5	<1.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA03-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-04 1/0.90
Date Analyzed:	12/18/25	Data File:	121821.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	86	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.12	<0.045
trans-1,2-Dichloroethene	<0.36	<0.09
cis-1,2-Dichloroethene	<0.36	<0.09
Trichloroethene	<0.097	<0.018
Tetrachloroethene	<6.1	<0.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	IA04-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-05 1/1.2
Date Analyzed:	12/18/25	Data File:	121820.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	85	70	130

	Concentration	
Compounds:	ug/m3	ppbv
Vinyl chloride	<0.15	<0.06
trans-1,2-Dichloroethene	<0.48	<0.12
cis-1,2-Dichloroethene	<0.48	<0.12
Trichloroethene	<0.13	<0.024
Tetrachloroethene	<8.1	<1.2

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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	OA01-20251216	Client:	SoundEarth Strategies
Date Received:	12/17/25	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	12/16/25	Lab ID:	512346-06 1/0.96
Date Analyzed:	12/18/25	Data File:	121819.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	85	70	130

	Concentration	
Compounds:	ug/m3	ppbv
Vinyl chloride	<0.12	<0.048
trans-1,2-Dichloroethene	<0.38	<0.096
cis-1,2-Dichloroethene	<0.38	<0.096
Trichloroethene	<0.1	<0.019
Tetrachloroethene	<6.5	<0.96

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ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0651-002_20251217, F&BI 512346
Date Collected:	Not Applicable	Lab ID:	05-3155 MB
Date Analyzed:	12/18/25	Data File:	121814.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	80	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.13	<0.05
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

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ENVIRONMENTAL CHEMISTS

Date of Report: 12/26/25

Date Received: 12/17/25

Project: SOU_0651-002_20251217, F&BI 512346

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 512345-01 1/6.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 25)
Vinyl chloride	ug/m3	<0.79	<0.79	nm
trans-1,2-Dichloroethene	ug/m3	<2.5	<2.5	nm
cis-1,2-Dichloroethene	ug/m3	<2.5	<2.5	nm
Trichloroethene	ug/m3	<0.67	<0.67	nm
Tetrachloroethene	ug/m3	<42	<42	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	105	70-130
trans-1,2-Dichloroethene	ug/m3	54	102	70-130
cis-1,2-Dichloroethene	ug/m3	54	99	70-130
Trichloroethene	ug/m3	73	110	70-130
Tetrachloroethene	ug/m3	92	118	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512346

SAMPLE CHAIN OF CUSTODY

12/17/25

Sent report to Tom Cammarata, Clare Tschlin

Company SoundEarth Strategies, Inc.

Address 2320 West Commodore Way, Suite 110

City, State, ZIP Seattle, Washington 98199

Phone # 206-306-1900 Fax # 206-306-1907

Page # 1 of 1

TURNAROUND TIME

Standard (2 Weeks)

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

SAMPLERS (signature)

PROJECT NAME/NO.

Plastics Sales & Service

0651-002

REMARKS

Indoor Air Reporting Levels

PO #

ANALYSES REQUESTED

PCE, TCE, cis- and
trans-1,2-DCE,
Vinyl Chloride

Notes

Sample ID	Lab ID	Canister ID	Flow Controller ID	Date Sampled	Field Initial Pressure (Inches of Hg)	Field Initial Time	Field Final Pressure (Inches of Hg)	Field Final Time	PCE, TCE, cis- and trans-1,2-DCE, Vinyl Chloride	Notes
IA02-20251216	01	51805	20484	12/16/25	-29	0855	-5	1659	X	
IA05-20251216	02	49729	06607		-30	0905	-6	1705	X	
IA01-20251216	03	18579	07853		-30	0913	-8	1719	X	
IA03-20251216	04	49849	19500		-30	0927	-4	1710	X	
IA04-20251216	05	49737	20468		-29	0939	-10	1559	X	
OA01-20251216	06	51796	20471		-29	0959	-7	1735	X	
Samples received at 14 °C										

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

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SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>[Signature]</i>	JONATHAN LOEFFLER	SOUNDEARTH	12/17/25	1525
Received by: <i>[Signature]</i>	John Pham	EBT	12/17/25	15:25
Relinquished by:				
Received by:				

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 512346 CLIENT Sound INITIALS/ AP
DATE: 12/17/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 14 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO Initials/ AP
*or other representative documents, letters, and/or shipping memos Date: 12/17/25

Number of days samples have been sitting prior to receipt at laboratory 1 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☐ Yes ☐ No	_____	☐ Not on COC/label
Date Sampled	☐ Yes ☐ No	_____	☐ Not on COC/label
Time Sampled	☐ Yes ☐ No	_____	☐ Not on COC/label
# of Containers	☐ Yes ☐ No	_____	
Relinquished	☐ Yes ☐ No	_____	
Requested analysis	☐ Yes ☐ On Hold	_____	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☐ NA ☐ YES ☒ NO

Number of unused TO15 canisters** _____ Number of unused TO17 tubes _____

**Fill out Green manifolds billing sheet