Limited Phase II Subsurface Investigation Report

REPORT DATE: February 11, 2025

SITE INFORMATION

418 North California Street
Stockton, California 95202

PROJECT INFORMATION

AEI Project No. 500681

PREPARED FOR

Central Valley Low Income Housing
2431 West March Lane #350
Stockton, California 95207

PREPARED BY

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
925.746.6000

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597

February 11, 2025

Jon Mendelson
Central Valley Low Income Housing
2431 West March Lane #350
Stockton, California 95207

Subject: Limited Phase II Subsurface Investigation
418 North California Street
Stockton, California 95202
AEI Project No. 500681

Dear Mr. Jon Mendelson,

This report presents the results of the Limited Phase II Subsurface Investigation conducted by AEI Consultants (AEI) at 418 North California Street, Stockton, California (the Site) to assess the recognized environmental conditions identified in *Draft Phase I Environmental Site Assessment* report by AEI dated January 13, 2025 (AEI Project No. 500681) The investigation was performed in general accordance with the scope of services outlined in our proposal dated January 17, 2025 (AEI Proposal Number 100572), which was subsequently authorized on January 17, 2025.

AEI appreciates the opportunity to support this important project. If you have any questions, please do not hesitate to contact me.

Sincerely,

Justin Hertz
Business Development Manager
10101 North 92nd Street, Suite 201
Scottsdale, Arizona 85258
925.746.6016
jhertz@aeiconsultants.com

TABLE OF CONTENTS

1.0 PURPOSE

This report presents the results of the Limited Phase II Subsurface Investigation (Phase II) performed by AEI Consultants (AEI) at 418 North California Street, Stockton, California (the Site). The investigation was conducted in general accordance with the scope of work presented in AEI's Proposal Number 100572 dated January 17, 2025, authorized by the Client on January 17, 2025.

The general purpose of this Limited Phase II was to evaluate whether the subsurface has been adversely impacted by the recognized environmental conditions (REC) identified in the *Draft Phase I Environmental Site Assessment* (ESA) prepared by AEI (AEI Project No. 500681) dated January 13, 2025. The Site description, background, investigation procedures, findings, summary, and conclusions are presented in the following sections.

2.0 SITE DESCRIPTION AND BACKGROUND

Details on the Site description and background are presented below.

2.1 Site Description

The Site is located on the eastern side of North California Street in Stockton, California. The Site consists of approximately 0.34 acres of land. At the time of the investigation, the Site was occupied by a multifamily 4-story residential building. The remainder of the Site is improved with asphalt-paved parking areas, fencing, and associated landscaping.

The Site appeared to be flat, with a topographic gradient toward the north-northeast and is situated at an elevation of approximately 17 feet above mean sea level. Groundwater flow direction is inferred to follow the topographic gradient, flowing towards the north-northeast. According to the Draft Phase I ESA, first encountered groundwater in the area of the Site is anticipated to be at 27 to 33 feet below ground surface. The Site location appears on Figure 1 – Site Location Map.

2.2 Background

According to the January 13, 2025, Draft Phase I ESA, the Site was a rug and carpet cleaning and awning, tent, and upholstery repair and manufacturing facility from 1893 to 1985. Based on the nature of use, it is likely that various quantities of hazardous substances were used and stored on site, Rug and carpet cleaning operations during this time frame typically use chlorinated solvents, particularly tetrachloroethylene (PCE), during the dry-cleaning process. While PCE was first used widely as a dry-cleaning solvent in 1934, carbon tetrachloride was used from the 1920s to early 1930s and trichloroethylene (TCE) was used prior to PCE. Prior to the 1930s, petroleum solvents may have been used including camphene, benzene, kerosene, and gasoline. These substances and solvents, even when properly stored and handled, can readily migrate into the subsurface as a result of small releases associated with on-site operations. Specifically, chlorinated solvents are highly mobile chemicals that can easily

accumulate in soil and soil gas and migrate to groundwater beneath a facility. Additionally, given the nature of Site operations, it is possible that the on-site furniture, mattress and awning manufacturing and repair operations included the use and handling of perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS))(PFAS)S. PFAS were commonly used to make furniture and mattresses more durable, water-resistant, and stain-resistant. Limited information on past PFAS use was identified, however, it should be noted that PFAS has been largely unregulated in the past and so documentation verifying past PFAS use is often limited or non-existent. Based on this information, the likely presence of hazardous substances at the Site due to a likely release represents a REC. In particular, the presence of the rug and carpet cleaning and awning, tent, and upholstery repair and manufacturing facility on the Site represents evidence of a REC.

In addition, the adjoining property to the south at 408 North California Street was formerly a gasoline service station from at least 1950 until 1968. Based on the proximity of this former gasoline station to the Site, the inferred direction of groundwater flow, and the limited scope of the previous investigation, the potential exists that, if a release of petroleum hydrocarbons occurred, the subsurface of the Site may have also been impacted. Therefore, the potential nearby release is considered evidence of a REC.

3.0 FIELD INVESTIGATION AND OBSERVATIONS

Investigation efforts included advancing four sub-slab soil gas samples (SS-1 through SS-4) at the Site to collect soil gas samples. The sample locations are shown on Figure 2 – Site Map and investigative activities are summarized below.

3.1 Health and Safety Plan

A health and safety plan was prepared to address potential hazards during the subsurface investigation, reviewed by on-site personnel, and maintained by the field crew for the duration of the investigation.

3.2 Utility Clearance

Private utility locating was conducted by ForeSite Engineering Surveys of Pleasant Hill, California under subcontract to AEI to further identify and locate underground utilities on the Site and adjusted accordingly when encountered.

3.3 Sub-Slab Soil Gas Sample Collection

On January 28, 2025, AEI installed four temporary sub-slab probes (SS-1, SS-2, SS-3, and SS-4) in general accordance with the Supplemental Guidance: Screening and Evaluating Vapor Intrusion, February 2023, issued by the California Department of Toxic Substances Control (DTSC), and Los Angeles and San Francisco Bay Regional Water Quality Control Boards (RWQCBs). The sub-slab soil gas samples were collected from the basement of the multifamily residential building in locations that provided equal spatial distribution. The locations of the temporary sub-slab probes are shown on Figure 2.

Installation of the temporary sub-slab soil gas probes included coring the concrete slab using a rotary hammer drill with a 5/8-inch diameter drill bit that was advanced to extend beneath the slab. A Vapor Pin® was then installed in each of the drilled locations, with the silicone sleeve of the Vapor Pin® providing an air-tight seal for the locations.

The sub-slab soil gas samples were collected into laboratory-supplied Summa® canisters after attaching laboratory-calibrated flow controllers with vacuum gauges set at 200 mL per minute. The vapor implants were allowed to stabilize for approximately 2 hours. A leak check was preformed by utilizing a helium-filled shroud over the sample/ground interface, and a helium detector to screen the subsurface implant for the presence of helium to confirm that short-circuiting did not occur during sample collection.

Prior to collecting each soil gas sample, the integrity of the annular seal and sample train (including the connection to the Summa® canister) were confirmed by performing a shut-in test. Three volumes of air were purged from the probe, the initial vacuum shown on the gauge and the time were recorded; then the flow controller was opened to allow sample collection to begin. Sample collection was complete when only a slight vacuum remained the Summa® canister, this final vacuum was recorded, then the flow controller was closed.

The labels on the Summa® canisters were completed with the appropriate project information: the AEI project number (and project name, if appropriate), sample identification, date and final time of sample collection, sampler's name, initial and final vacuum readings. This information and sometimes additional information such as the laboratory identification of the Summa® canister and flow controller associated with each sample were entered on the laboratory's chain-of-custody documentation that accompanied the samples to the laboratory, Torrent Laboratory (Torrent), of Milpitas, California.

3.4 Sub-Slab Probe Abandonment

Following completion of the field activities and removal of probe construction material, the sub-slab locations were backfilled with rapid-set cement and completed at the surface to match the surrounding conditions.

3.5 Decontamination Procedures and Investigation-Derived Waste

AEI personnel wore disposable nitrile gloves during sample collection, changing gloves between sample locations. Down-hole equipment including sampling tubes, samplers, and hand tools were decontaminated prior to drilling each boring or were dedicated to a single boring.

No investigation-derived waste was generated during the field activities.

3.6 Laboratory Analyses

The four Summa® canisters containing the soil gas samples were placed into laboratory-supplied cartons with the flow controllers and submitted to the laboratory where they were analyzed

for volatile organic compounds (VOCs) using United States Environmental Protection Agency (US EPA) Method TO-15 and helium used a leak check using Testing Method ASTM 1946-90.

No further analyses were conducted as part of this investigation. The laboratory analytical report with chain-of-custody documentation is provided in Appendix A.

4.0 FINDINGS

The findings of this investigation are summarized below.

For purposes of providing context to the data obtained during this investigation, analytical results were evaluated in general accordance with the User's Guide: Derivation and Application of environmental screening levels (ESLs), Interim Final July 2019, Revision 2, issued by the San Francisco Bay Regional Water Quality Control Board. Under most circumstances, and within the limitations described in the User's Guide, the presence of a chemical in soil at concentrations below the corresponding ESL may be assumed to not pose a significant threat to human health and the environment. Additional evaluation may be necessary at sites where a chemical is present at concentrations above the corresponding ESL. The soil gas analytical results were compared to the ESLs assuming vapor intrusion under the residential land use scenario, as applicable. Laboratory analytical reports with chain-of-custody documentation are presented in Appendix A.

Table 1 presents a summary of the soil gas sample analytical results and comparison screening levels. The analytical results can be summarized as follows:

- PCE was identified in three of the four soil gas samples, at concentrations of 20 micrograms per cubic meter (µg/m^3) (SS-1), 33 µg/m^3 (SS-2), and 25 µg/m^3 (SS-3). The detected concentrations in the three soil gas samples (SS-1, SS-2, and SS-3) exceed the residential vapor intrusion ESL of 15 µg/m^3. PCE was not detected above the practical quantitation limit (PQL) in the remaining soil gas sample.
- Benzene was identified in each of the soil gas samples collected and analyzed, observed at concentrations ranging from 4.1 µg/m^3 (SS-4) to 5.2 µg/m^3 (SS-2). The detected concentrations exceed the residential vapor intrusion ESL of 3.2 µg/m^3.
- Chloroform was identified in three of the four soil gas samples at concentrations of 5.9 µg/m^3 (SS-2), 13 µg/m^3 (SS-3), and 81 µg/m^3 (SS-4). The detected concentrations exceed the residential vapor intrusion ESL of 4.1 µg/m^3. Chloroform is a biproduct of common cleaning products and used in municipally treated drinking water. The elevated concentrations of chloroform observed in soil gas are likely attributed to use of municipal water and/or cleaning products at the Site. Therefore, ESLs are not the appropriate screening level and further investigation of chloroform as a significant vapor intrusion concern is not warranted at this time.
- The remaining VOCs were either not identified above their respective PQLs or, where identified, were identified at concentrations below the relevant residential vapor intrusion ESLs, where established.

- Helium, used as a leak check compound, was detected at a concentration of 0.20% in SS-1, which is below the 5% maximum allowable concentration. Helium was not detected in the remaining three soil gas samples, therefore, the samples are to be considered valid.

5.0 SUMMARY AND CONCLUSIONS

AEI completed a Limited Phase II at the Site to assess the potential vapor intrusion risk from the former uses involving chlorinated solvents and off-site gasoline station identified as RECs. Investigation efforts included the collection and analysis of four sub-slab soil gas samples (SS-1 through SS-4) at the Site. The investigation results can be summarized as follows:

- PCE was identified in three of the soil gas samples SS-1, SS-2, and SS-3 at concentrations above the residential vapor intrusion ESL.
- Benzene was identified in each of the four soil gas samples at concentrations slightly exceeding the residential vapor intrusion ESL.

Based on the soil gas results summarized above, benzene was identified at concentrations slightly above the residential vapor intrusion ESL in soil gas beneath the Site. The ESLs are based on a conservative attenuation factor of 0.03 to be generically applied to existing building slabs and do not assume bioattenuation. The *Supplemental Guidance: Screening and Evaluating Vapor Intrusion, Final Draft*, February 2023, presents alternative attenuation factors for petroleum vapor intrusion (PVI) accounting for bioattenuation factors (BAF). Bioattenuation is the natural degradation of petroleum hydrocarbons in the subsurface and is dependent on oxygen concentrations in soil gas. The Supplemental Guidance outlines appropriate BAF for oxygen concentrations of less than 1-percent (inadequate bioattenuation zone), between 1 and 4-percent (weak bioattenuation zone), and greater than 4-percent (strong bioattenuation zone). Conservatively assuming a weak bioattenuation zone, the Supplemental Guidance provides for a BAF of 0.1. Using this BAF, benzene calculates to a residential screening level of 32 µg/m^3. The concentrations of benzene observed in the soil gas samples collected at the Site do not appear to pose an unacceptable vapor intrusion risk to users of the Site.

Based on the results summarized above, impacts to soil gas from PCE were identified within the subsurface at the locations sampled at the Site. The presence of PCE at concentrations above the residential vapor intrusion ESLs suggests that there may be an unacceptable risk to current and future uses of the Site. AEI recommends collecting indoor air samples from within the current Site building to determine if the PCE identified in soil gas is adversely impacting indoor air.

6.0 REFERENCES

AEI, 2025, *Phase I Environmental Site Assessment, 418 North California Street, Stockton, California 95202*, (AEI Project No. 500681), dated January 13.

California Department of Toxic Substances Control (DTSC), 2023. *Supplemental Guidance: Screening and Evaluating Vapor Intrusion, Final Draft*, February.

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019, *Environmental Screening Levels*, dated July 2019, revision 2.

7.0 REPORT LIMITATIONS AND RELIANCE

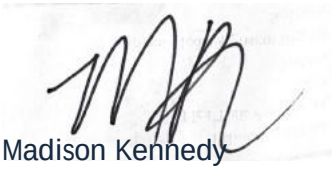
This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the Site. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

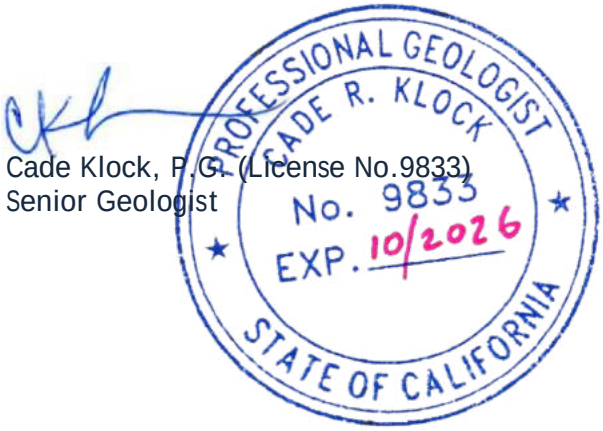
This investigation was prepared for the sole use and benefit of Central Valley Low Income Housing. Both verbal and written, whether in draft or final, are for the benefit of Central Valley Low Income Housing. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Central Valley Low Income Housing. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

8.0 SIGNATURES

This document was prepared by, or under the direction of, the undersigned.

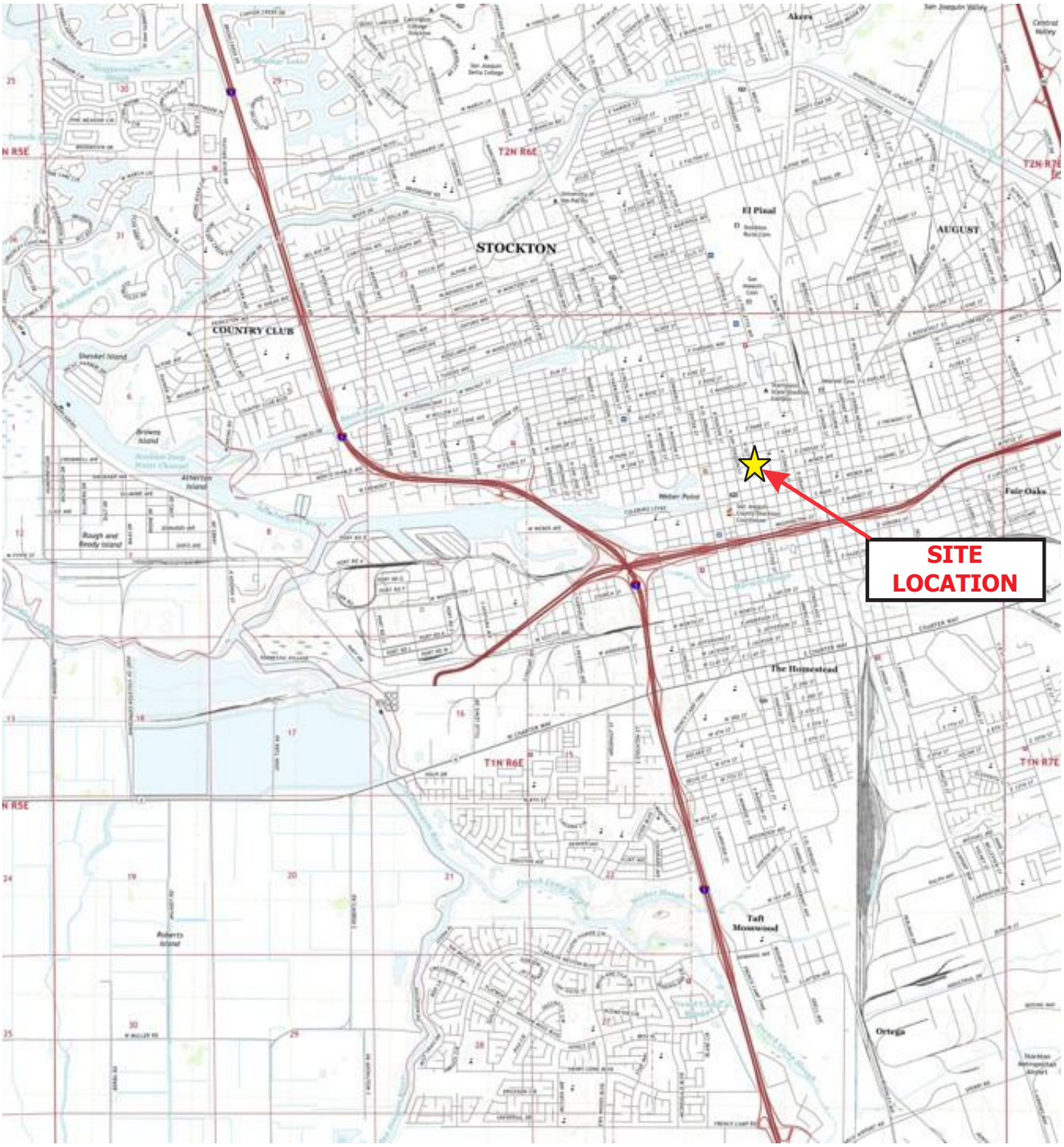


Madison Kennedy
Staff Scientist I



Cade Klock, P.G. (License No.9833)
Senior Geologist

FIGURES



LEGEND

★ Approximate Site Location

N

Source: USGS

SITE LOCATION MAP

AEI

418 North California Street,
Stockton, California 95202

FIGURE 1
Project No. 500681

N

LEGEND

- Approximate Site Boundary
- Approximate Basement Wall Location
- Approximate Sub-Slab Location SS-4
- Approximate Groundwater Flow Direction

SITE MAP

AEI

418 North California Street
Stockton, California 95202

FIGURE 2
Project No. 500681

TABLE

TABLE 1: SOIL GAS SAMPLE DATA SUMMARY - VOCs
418 North California Street, Stockton, California 95202

Volatile Organic Compounds (VOCs) by U.S. EPA Method TO-15										
Location ID	**Sample Date**	**Sample Depth**	**Tetrachloro-ethylene (PCE)**	**Carbon Disulfide**	**Benzene**	**Toluene**	**Ethyl-benzene**	**o-Xylene**	**m/p-Xylene**	**Acetone**
		(feet bgs)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)
SS-1	1/28/2025	subslab	**20**	7.1	**5.0**	4.0	3.7	4.2	15	260
SS-2	1/28/2025	subslab	**33**	6.8	**5.2**	4.4	3.3	4.0	13	500
SS-3	1/28/2025	subslab	**25**	6.5	**4.5**	3.0	ND<3.3	3.3	12	83
SS-4	1/28/2025	subslab	ND<5.1	ND<2.3	**4.1**	ND<2.8	4.0	3.9	16	170
Comparison Values in µg/m^3 - ESLs, Table SG-1, Residential Sites			15	--	3.2	10,000	37	3,500	3,500	1,100,000

			VOCs by U.S. EPA Method TO-15						Helium by ASTM - 1946-90		
Location ID	**Sample Date**	**Sample Depth**	**2-Propanol**	**1,3-Butadiene**	**Chloroform**	**Hexane**	**4-Methyl-2-Pentanone (MIBK)**	**Remaining VOCs**	**Helium[1]**	**Helium Shroud Concen-tration**	**Maximum Helium Allowed[2]**
		(feet bgs)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	%	%	%
SS-1	1/28/2025	subslab	39	1.1	ND<2.4	19	2.5	ND<PQL	0.20	28.3	1.42
SS-2	1/28/2025	subslab	43	ND<1.7	**5.9**	14	ND<3.1	ND<PQL	ND<0.071	25.1	1.26
SS-3	1/28/2025	subslab	91	ND<1.7	**13**	14	ND<3.1	ND<PQL	ND<0.025	23.6	1.18
SS-4	1/28/2025	subslab	39	ND<1.7	**81**	13	ND<3.1	ND<PQL	ND<0.033	22.7	1.14
Comparison Values in µg/m^3 - ESLs, Table SG-1, Residential Sites			--	--	4.1	--	100,000	Varies	--[2]		

Notes:

	Analysis performed by Torrent Laboratory, Milpitas, California
µg/m^3	Micrograms per cubic meter
ND<	Not detected at or above practical quantitation limit (PQL) and method detection limit (MDL) for helium shown
VOCS	Volatile Organic Compounds
%	Helium reported as a percentage of total sample
[1]	Helium used as a leak check compound, reported as a percentage (%) of total sample
[2]	Comparison value is 5% ppmv per California Department of Toxic Substances Control
bgs	Below ground surface
--	Comparison value not established by the SFBRWQCB
Bold	Result exceeds a Comparison Value
EPA	Environmental Protection Agency
Table SG-1	Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels

AEI

APPENDIX A

Laboratory Analytical Report

AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Tel: 925-746-6048

RE: Limited Phase II

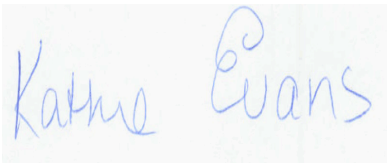
Work Order No.: 2501217

Dear Cade Klock:

Torrent Laboratory, Inc. received 4 sample(s) on January 29, 2025 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.



Kathie Evans
Project Manager

February 03, 2025
Date

Date: 2/3/2025

Client: AEI Consultants

Project: Limited Phase II

Work Order: 2501217

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Cade Klock
AEI Consultants

Date Received: 01/29/25
Date Reported: 02/03/25

SS-1 2501217-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Helium	D1946	7.7	0.082	3.9	0.20%
1,3-Butadiene	TO15	1	0.34	1.1	1.1
Carbon Disulfide	TO15	1	0.37	1.6	7.1
2-Propanol (Isopropyl Alcohol)	TO15	1	1.3	12	39
Acetone	TO15	1	0.40	12	260
Hexane	TO15	1	0.46	1.8	19
Benzene	TO15	1	0.44	1.6	5.0
Toluene	TO15	1	0.75	1.9	4.0
4-Methyl-2-Pentanone (MIBK)	TO15	1	0.75	2.1	2.5
Tetrachloroethylene	TO15	1	1.5	3.4	20
Ethyl Benzene	TO15	1	0.63	2.2	3.7
m,p-Xylene	TO15	1	0.98	2.2	15
o-Xylene	TO15	1	0.30	2.2	4.2

SS-2 2501217-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	TO15	1.5	0.56	2.3	6.8
2-Propanol (Isopropyl Alcohol)	TO15	1.5	1.9	18	43
Acetone	TO15	1.5	0.59	18	500
Hexane	TO15	1.5	0.70	2.6	14
Chloroform	TO15	1.5	1.4	3.7	5.9
Benzene	TO15	1.5	0.66	2.4	5.2
Toluene	TO15	1.5	1.1	2.8	4.4
Tetrachloroethylene	TO15	1.5	2.2	5.1	33
Ethyl Benzene	TO15	1.5	0.94	3.3	3.3
m,p-Xylene	TO15	1.5	1.5	3.3	13
o-Xylene	TO15	1.5	0.46	3.3	4.0

SS-3 2501217-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	TO15	1.5	0.56	2.3	6.5
2-Propanol (Isopropyl Alcohol)	TO15	1.5	1.9	18	91
Acetone	TO15	1.5	0.59	18	83
Hexane	TO15	1.5	0.70	2.6	14
Chloroform	TO15	1.5	1.4	3.7	13
Benzene	TO15	1.5	0.66	2.4	4.5
Toluene	TO15	1.5	1.1	2.8	3.0
Tetrachloroethylene	TO15	1.5	2.2	5.1	25
m,p-Xylene	TO15	1.5	1.5	3.3	12
o-Xylene	TO15	1.5	0.46	3.3	3.3

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Cade Klock
AEI Consultants

Date Received: 01/29/25
Date Reported: 02/03/25

SS-4 2501217-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
2-Propanol (Isopropyl Alcohol)	TO15	1.5	1.9	18	39
Acetone	TO15	1.5	0.59	18	170
Hexane	TO15	1.5	0.70	2.6	13
Chloroform	TO15	1.5	1.4	3.7	81
Benzene	TO15	1.5	0.66	2.4	4.1
Ethyl Benzene	TO15	1.5	0.94	3.3	4.0
m,p-Xylene	TO15	1.5	1.5	3.3	16
o-Xylene	TO15	1.5	0.46	3.3	3.9

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-1	**Lab Sample ID:**	2501217-001A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:25	**Certified Clean WO # :**	
Canister/Tube ID:	R3587	**Received PSI :**	11.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	1/31/25 11:00:00AM
Prep Batch ID:	1167762	**Prep Analyst:**	ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	7.70	0.082	3.9	0.20		J	01/31/25	11:38	ERESK	490741

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25 11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	1.00	1.6	2.5	ND	ND		01/30/25	13:02	BA	490758
1,1-Difluoroethane	TO15	1.00	0.35	14	ND	ND		01/30/25	13:02	BA	490758
1,2-Dichlorotetrafluoroethane	TO15	1.00	1.4	3.5	ND	ND		01/30/25	13:02	BA	490758
Chloromethane	TO15	1.00	2.0	4.1	ND	ND		01/30/25	13:02	BA	490758
Vinyl Chloride	TO15	1.00	0.23	1.3	ND	ND		01/30/25	13:02	BA	490758
1,3-Butadiene	TO15	1.00	0.34	1.1	1.1	0.50		01/30/25	13:02	BA	490758
Bromomethane	TO15	1.00	0.66	1.9	ND	ND		01/30/25	13:02	BA	490758
Chloroethane	TO15	1.00	0.81	1.3	ND	ND		01/30/25	13:02	BA	490758
Trichlorofluoromethane	TO15	1.00	0.56	2.8	ND	ND		01/30/25	13:02	BA	490758
1,1-Dichloroethene	TO15	1.00	0.83	2.0	ND	ND		01/30/25	13:02	BA	490758
Freon 113	TO15	1.00	1.0	3.8	ND	ND		01/30/25	13:02	BA	490758
Carbon Disulfide	TO15	1.00	0.37	1.6	7.1	2.28		01/30/25	13:02	BA	490758
2-Propanol (Isopropyl Alcohol)	TO15	1.00	1.3	12	39	15.85		01/30/25	13:02	BA	490758
Methylene Chloride	TO15	1.00	0.70	10	ND	ND		01/30/25	13:02	BA	490758
Acetone	TO15	1.00	0.40	12	260	109.24		01/30/25	13:02	BA	490758
trans-1,2-Dichloroethene	TO15	1.00	0.48	2.0	ND	ND		01/30/25	13:02	BA	490758
Hexane	TO15	1.00	0.46	1.8	19	5.40		01/30/25	13:02	BA	490758
MTBE	TO15	1.00	0.44	1.8	ND	ND		01/30/25	13:02	BA	490758
tert-Butanol	TO15	1.00	0.62	1.5	ND	ND		01/30/25	13:02	BA	490758
Diisopropyl ether (DIPE)	TO15	1.00	0.74	2.1	ND	ND		01/30/25	13:02	BA	490758
1,1-Dichloroethane	TO15	1.00	0.54	2.0	ND	ND		01/30/25	13:02	BA	490758
ETBE	TO15	1.00	0.33	2.1	ND	ND		01/30/25	13:02	BA	490758
cis-1,2-Dichloroethene	TO15	1.00	0.83	2.0	ND	ND		01/30/25	13:02	BA	490758
Chloroform	TO15	1.00	0.97	2.4	ND	ND		01/30/25	13:02	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-1	**Lab Sample ID:**	2501217-001A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:25	**Certified Clean WO # :**	
Canister/Tube ID:	R3587	**Received PSI :**	11.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Vinyl Acetate	TO15	1.00	0.76	1.8	ND	ND		01/30/25	13:02	BA	490758
Carbon Tetrachloride	TO15	1.00	1.1	3.1	ND	ND		01/30/25	13:02	BA	490758
1,1,1-Trichloroethane	TO15	1.00	0.79	2.7	ND	ND		01/30/25	13:02	BA	490758
2-Butanone (MEK)	TO15	1.00	0.39	1.5	ND	ND		01/30/25	13:02	BA	490758
Ethyl Acetate	TO15	1.00	0.48	1.8	ND	ND		01/30/25	13:02	BA	490758
Tetrahydrofuran	TO15	1.00	0.45	1.5	ND	ND		01/30/25	13:02	BA	490758
Benzene	TO15	1.00	0.44	1.6	5.0	1.57		01/30/25	13:02	BA	490758
TAME	TO15	1.00	0.67	2.1	ND	ND		01/30/25	13:02	BA	490758
1,2-Dichloroethane (EDC)	TO15	1.00	0.42	2.0	ND	ND		01/30/25	13:02	BA	490758
Trichloroethylene	TO15	1.00	0.81	2.7	ND	ND		01/30/25	13:02	BA	490758
1,2-Dichloropropane	TO15	1.00	0.76	2.3	ND	ND		01/30/25	13:02	BA	490758
Bromodichloromethane	TO15	1.00	0.74	3.4	ND	ND		01/30/25	13:02	BA	490758
1,4-Dioxane	TO15	1.00	1.8	3.6	ND	ND		01/30/25	13:02	BA	490758
trans-1,3-Dichloropropene	TO15	1.00	1.1	2.3	ND	ND		01/30/25	13:02	BA	490758
Toluene	TO15	1.00	0.75	1.9	4.0	1.06		01/30/25	13:02	BA	490758
4-Methyl-2-Pentanone (MIBK)	TO15	1.00	0.75	2.1	2.5	0.61		01/30/25	13:02	BA	490758
cis-1,3-Dichloropropene	TO15	1.00	0.42	2.3	ND	ND		01/30/25	13:02	BA	490758
Tetrachloroethylene	TO15	1.00	1.5	3.4	20	2.95		01/30/25	13:02	BA	490758
1,1,2-Trichloroethane	TO15	1.00	0.58	2.7	ND	ND		01/30/25	13:02	BA	490758
Dibromochloromethane	TO15	1.00	1.1	4.3	ND	ND		01/30/25	13:02	BA	490758
1,2-Dibromoethane (EDB)	TO15	1.00	0.74	3.8	ND	ND		01/30/25	13:02	BA	490758
2-Hexanone	TO15	1.00	0.65	2.1	ND	ND		01/30/25	13:02	BA	490758
Ethyl Benzene	TO15	1.00	0.63	2.2	3.7	0.85		01/30/25	13:02	BA	490758
Chlorobenzene	TO15	1.00	0.60	2.3	ND	ND		01/30/25	13:02	BA	490758
1,1,1,2-Tetrachloroethane	TO15	1.00	0.84	3.4	ND	ND		01/30/25	13:02	BA	490758
m,p-Xylene	TO15	1.00	0.98	2.2	15	3.46		01/30/25	13:02	BA	490758
o-Xylene	TO15	1.00	0.30	2.2	4.2	0.97		01/30/25	13:02	BA	490758
Styrene	TO15	1.00	0.46	2.1	ND	ND		01/30/25	13:02	BA	490758
Bromoform	TO15	1.00	1.3	5.2	ND	ND		01/30/25	13:02	BA	490758
1,1,2,2-Tetrachloroethane	TO15	1.00	0.82	3.4	ND	ND		01/30/25	13:02	BA	490758
4-Ethyl Toluene	TO15	1.00	0.55	2.5	ND	ND		01/30/25	13:02	BA	490758
1,3,5-Trimethylbenzene	TO15	1.00	0.30	2.5	ND	ND		01/30/25	13:02	BA	490758
1,2,4-Trimethylbenzene	TO15	1.00	0.60	2.5	ND	ND		01/30/25	13:02	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-1	**Lab Sample ID:**	2501217-001A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:25	**Certified Clean WO # :**	
Canister/Tube ID:	R3587	**Received PSI :**	11.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,4-Dichlorobenzene	TO15	1.00	0.75	3.0	ND	ND		01/30/25	13:02	BA	490758
1,3-Dichlorobenzene	TO15	1.00	1.3	3.0	ND	ND		01/30/25	13:02	BA	490758
1,2-Dichlorobenzene	TO15	1.00	1.1	3.0	ND	ND		01/30/25	13:02	BA	490758
Hexachlorobutadiene	TO15	1.00	1.9	5.3	ND	ND		01/30/25	13:02	BA	490758
1,2,4-Trichlorobenzene	TO15	1.00	2.2	3.7	ND	ND		01/30/25	13:02	BA	490758
Naphthalene	TO15	1.00	1.3	2.6	ND	ND		01/30/25	13:02	BA	490758
(S) 4-Bromofluorobenzene	TO15	1.00	50	150	110 %			01/30/25	13:02	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-2	**Lab Sample ID:**	2501217-002A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:47	**Certified Clean WO # :**	
Canister/Tube ID:	N3978	**Received PSI :**	10.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	1/31/25 11:00:00AM
Prep Batch ID:	1167762	**Prep Analyst:**	ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	6.60	0.071	3.3	ND	ND		01/31/25	11:58	ERESK	490741

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25 11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	1.50	2.4	3.7	ND	ND		01/30/25	13:58	BA	490758
1,1-Difluoroethane	TO15	1.50	0.52	20	ND	ND		01/30/25	13:58	BA	490758
1,2-Dichlorotetrafluoroethane	TO15	1.50	2.1	5.2	ND	ND		01/30/25	13:58	BA	490758
Chloromethane	TO15	1.50	3.1	6.2	ND	ND		01/30/25	13:58	BA	490758
Vinyl Chloride	TO15	1.50	0.34	1.9	ND	ND		01/30/25	13:58	BA	490758
1,3-Butadiene	TO15	1.50	0.51	1.7	ND	ND		01/30/25	13:58	BA	490758
Bromomethane	TO15	1.50	0.98	2.9	ND	ND		01/30/25	13:58	BA	490758
Chloroethane	TO15	1.50	1.2	2.0	ND	ND		01/30/25	13:58	BA	490758
Trichlorofluoromethane	TO15	1.50	0.83	4.2	ND	ND		01/30/25	13:58	BA	490758
1,1-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	13:58	BA	490758
Freon 113	TO15	1.50	1.5	5.7	ND	ND		01/30/25	13:58	BA	490758
Carbon Disulfide	TO15	1.50	0.56	2.3	6.8	2.19		01/30/25	13:58	BA	490758
2-Propanol (Isopropyl Alcohol)	TO15	1.50	1.9	18	43	17.48		01/30/25	13:58	BA	490758
Methylene Chloride	TO15	1.50	1.1	16	ND	ND		01/30/25	13:58	BA	490758
Acetone	TO15	1.50	0.59	18	500	210.08		01/30/25	13:58	BA	490758
trans-1,2-Dichloroethene	TO15	1.50	0.71	3.0	ND	ND		01/30/25	13:58	BA	490758
Hexane	TO15	1.50	0.70	2.6	14	3.98		01/30/25	13:58	BA	490758
MTBE	TO15	1.50	0.67	2.7	ND	ND		01/30/25	13:58	BA	490758
tert-Butanol	TO15	1.50	0.93	2.3	ND	ND		01/30/25	13:58	BA	490758
Diisopropyl ether (DIPE)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	13:58	BA	490758
1,1-Dichloroethane	TO15	1.50	0.81	3.0	ND	ND		01/30/25	13:58	BA	490758
ETBE	TO15	1.50	0.49	3.1	ND	ND		01/30/25	13:58	BA	490758
cis-1,2-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	13:58	BA	490758
Chloroform	TO15	1.50	1.4	3.7	5.9	1.21		01/30/25	13:58	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-2	**Lab Sample ID:**	2501217-002A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:47	**Certified Clean WO # :**	
Canister/Tube ID:	N3978	**Received PSI :**	10.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Vinyl Acetate	TO15	1.50	1.1	2.6	ND	ND		01/30/25	13:58	BA	490758
Carbon Tetrachloride	TO15	1.50	1.7	4.7	ND	ND		01/30/25	13:58	BA	490758
1,1,1-Trichloroethane	TO15	1.50	1.2	4.1	ND	ND		01/30/25	13:58	BA	490758
2-Butanone (MEK)	TO15	1.50	0.58	2.2	ND	ND		01/30/25	13:58	BA	490758
Ethyl Acetate	TO15	1.50	0.71	2.7	ND	ND		01/30/25	13:58	BA	490758
Tetrahydrofuran	TO15	1.50	0.67	2.2	ND	ND		01/30/25	13:58	BA	490758
Benzene	TO15	1.50	0.66	2.4	5.2	1.63		01/30/25	13:58	BA	490758
TAME	TO15	1.50	1.0	3.1	ND	ND		01/30/25	13:58	BA	490758
1,2-Dichloroethane (EDC)	TO15	1.50	0.63	3.0	ND	ND		01/30/25	13:58	BA	490758
Trichloroethylene	TO15	1.50	1.2	4.0	ND	ND		01/30/25	13:58	BA	490758
1,2-Dichloropropane	TO15	1.50	1.1	3.5	ND	ND		01/30/25	13:58	BA	490758
Bromodichloromethane	TO15	1.50	1.1	5.0	ND	ND		01/30/25	13:58	BA	490758
1,4-Dioxane	TO15	1.50	2.7	5.4	ND	ND		01/30/25	13:58	BA	490758
trans-1,3-Dichloropropene	TO15	1.50	1.6	3.4	ND	ND		01/30/25	13:58	BA	490758
Toluene	TO15	1.50	1.1	2.8	4.4	1.17		01/30/25	13:58	BA	490758
4-Methyl-2-Pentanone (MIBK)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	13:58	BA	490758
cis-1,3-Dichloropropene	TO15	1.50	0.63	3.4	ND	ND		01/30/25	13:58	BA	490758
Tetrachloroethylene	TO15	1.50	2.2	5.1	33	4.87		01/30/25	13:58	BA	490758
1,1,2-Trichloroethane	TO15	1.50	0.88	4.1	ND	ND		01/30/25	13:58	BA	490758
Dibromochloromethane	TO15	1.50	1.7	6.4	ND	ND		01/30/25	13:58	BA	490758
1,2-Dibromoethane (EDB)	TO15	1.50	1.1	5.8	ND	ND		01/30/25	13:58	BA	490758
2-Hexanone	TO15	1.50	0.98	3.1	ND	ND		01/30/25	13:58	BA	490758
Ethyl Benzene	TO15	1.50	0.94	3.3	3.3	0.76		01/30/25	13:58	BA	490758
Chlorobenzene	TO15	1.50	0.90	3.5	ND	ND		01/30/25	13:58	BA	490758
1,1,1,2-Tetrachloroethane	TO15	1.50	1.3	5.2	ND	ND		01/30/25	13:58	BA	490758
m,p-Xylene	TO15	1.50	1.5	3.3	13	3.00		01/30/25	13:58	BA	490758
o-Xylene	TO15	1.50	0.46	3.3	4.0	0.92		01/30/25	13:58	BA	490758
Styrene	TO15	1.50	0.70	3.2	ND	ND		01/30/25	13:58	BA	490758
Bromoform	TO15	1.50	2.0	7.8	ND	ND		01/30/25	13:58	BA	490758
1,1,2,2-Tetrachloroethane	TO15	1.50	1.2	5.2	ND	ND		01/30/25	13:58	BA	490758
4-Ethyl Toluene	TO15	1.50	0.82	3.7	ND	ND		01/30/25	13:58	BA	490758
1,3,5-Trimethylbenzene	TO15	1.50	0.45	3.7	ND	ND		01/30/25	13:58	BA	490758
1,2,4-Trimethylbenzene	TO15	1.50	0.89	3.7	ND	ND		01/30/25	13:58	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-2	**Lab Sample ID:**	2501217-002A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 14:47	**Certified Clean WO # :**	
Canister/Tube ID:	N3978	**Received PSI :**	10.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,4-Dichlorobenzene	TO15	1.50	1.1	4.5	ND	ND		01/30/25	13:58	BA	490758
1,3-Dichlorobenzene	TO15	1.50	2.0	4.5	ND	ND		01/30/25	13:58	BA	490758
1,2-Dichlorobenzene	TO15	1.50	1.6	4.5	ND	ND		01/30/25	13:58	BA	490758
Hexachlorobutadiene	TO15	1.50	2.8	8.0	ND	ND		01/30/25	13:58	BA	490758
1,2,4-Trichlorobenzene	TO15	1.50	3.2	5.6	ND	ND		01/30/25	13:58	BA	490758
Naphthalene	TO15	1.50	1.9	3.9	ND	ND		01/30/25	13:58	BA	490758
(S) 4-Bromofluorobenzene	TO15	1.50	50	150	110 %			01/30/25	13:58	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-3	**Lab Sample ID:**	2501217-003A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:05	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	14.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	1/31/25 11:00:00AM
Prep Batch ID:	1167762	**Prep Analyst:**	ERESK

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	2.30	0.025	1.2	ND	ND		01/31/25	12:23	ERESK	490741

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25 11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	1.50	2.4	3.7	ND	ND		01/30/25	14:23	BA	490758
1,1-Difluoroethane	TO15	1.50	0.52	20	ND	ND		01/30/25	14:23	BA	490758
1,2-Dichlorotetrafluoroethane	TO15	1.50	2.1	5.2	ND	ND		01/30/25	14:23	BA	490758
Chloromethane	TO15	1.50	3.1	6.2	ND	ND		01/30/25	14:23	BA	490758
Vinyl Chloride	TO15	1.50	0.34	1.9	ND	ND		01/30/25	14:23	BA	490758
1,3-Butadiene	TO15	1.50	0.51	1.7	ND	ND		01/30/25	14:23	BA	490758
Bromomethane	TO15	1.50	0.98	2.9	ND	ND		01/30/25	14:23	BA	490758
Chloroethane	TO15	1.50	1.2	2.0	ND	ND		01/30/25	14:23	BA	490758
Trichlorofluoromethane	TO15	1.50	0.83	4.2	ND	ND		01/30/25	14:23	BA	490758
1,1-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	14:23	BA	490758
Freon 113	TO15	1.50	1.5	5.7	ND	ND		01/30/25	14:23	BA	490758
Carbon Disulfide	TO15	1.50	0.56	2.3	6.5	2.09		01/30/25	14:23	BA	490758
2-Propanol (Isopropyl Alcohol)	TO15	1.50	1.9	18	91	36.99		01/30/25	14:23	BA	490758
Methylene Chloride	TO15	1.50	1.1	16	ND	ND		01/30/25	14:23	BA	490758
Acetone	TO15	1.50	0.59	18	83	34.87		01/30/25	14:23	BA	490758
trans-1,2-Dichloroethene	TO15	1.50	0.71	3.0	ND	ND		01/30/25	14:23	BA	490758
Hexane	TO15	1.50	0.70	2.6	14	3.98		01/30/25	14:23	BA	490758
MTBE	TO15	1.50	0.67	2.7	ND	ND		01/30/25	14:23	BA	490758
tert-Butanol	TO15	1.50	0.93	2.3	ND	ND		01/30/25	14:23	BA	490758
Diisopropyl ether (DIPE)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	14:23	BA	490758
1,1-Dichloroethane	TO15	1.50	0.81	3.0	ND	ND		01/30/25	14:23	BA	490758
ETBE	TO15	1.50	0.49	3.1	ND	ND		01/30/25	14:23	BA	490758
cis-1,2-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	14:23	BA	490758
Chloroform	TO15	1.50	1.4	3.7	13	2.66		01/30/25	14:23	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-3	**Lab Sample ID:**	2501217-003A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:05	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	14.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Vinyl Acetate	TO15	1.50	1.1	2.6	ND	ND		01/30/25	14:23	BA	490758
Carbon Tetrachloride	TO15	1.50	1.7	4.7	ND	ND		01/30/25	14:23	BA	490758
1,1,1-Trichloroethane	TO15	1.50	1.2	4.1	ND	ND		01/30/25	14:23	BA	490758
2-Butanone (MEK)	TO15	1.50	0.58	2.2	ND	ND		01/30/25	14:23	BA	490758
Ethyl Acetate	TO15	1.50	0.71	2.7	ND	ND		01/30/25	14:23	BA	490758
Tetrahydrofuran	TO15	1.50	0.67	2.2	ND	ND		01/30/25	14:23	BA	490758
Benzene	TO15	1.50	0.66	2.4	4.5	1.41		01/30/25	14:23	BA	490758
TAME	TO15	1.50	1.0	3.1	ND	ND		01/30/25	14:23	BA	490758
1,2-Dichloroethane (EDC)	TO15	1.50	0.63	3.0	ND	ND		01/30/25	14:23	BA	490758
Trichloroethylene	TO15	1.50	1.2	4.0	ND	ND		01/30/25	14:23	BA	490758
1,2-Dichloropropane	TO15	1.50	1.1	3.5	ND	ND		01/30/25	14:23	BA	490758
Bromodichloromethane	TO15	1.50	1.1	5.0	ND	ND		01/30/25	14:23	BA	490758
1,4-Dioxane	TO15	1.50	2.7	5.4	ND	ND		01/30/25	14:23	BA	490758
trans-1,3-Dichloropropene	TO15	1.50	1.6	3.4	ND	ND		01/30/25	14:23	BA	490758
Toluene	TO15	1.50	1.1	2.8	3.0	0.80		01/30/25	14:23	BA	490758
4-Methyl-2-Pentanone (MIBK)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	14:23	BA	490758
cis-1,3-Dichloropropene	TO15	1.50	0.63	3.4	ND	ND		01/30/25	14:23	BA	490758
Tetrachloroethylene	TO15	1.50	2.2	5.1	25	3.69		01/30/25	14:23	BA	490758
1,1,2-Trichloroethane	TO15	1.50	0.88	4.1	ND	ND		01/30/25	14:23	BA	490758
Dibromochloromethane	TO15	1.50	1.7	6.4	ND	ND		01/30/25	14:23	BA	490758
1,2-Dibromoethane (EDB)	TO15	1.50	1.1	5.8	ND	ND		01/30/25	14:23	BA	490758
2-Hexanone	TO15	1.50	0.98	3.1	ND	ND		01/30/25	14:23	BA	490758
Ethyl Benzene	TO15	1.50	0.94	3.3	ND	ND		01/30/25	14:23	BA	490758
Chlorobenzene	TO15	1.50	0.90	3.5	ND	ND		01/30/25	14:23	BA	490758
1,1,1,2-Tetrachloroethane	TO15	1.50	1.3	5.2	ND	ND		01/30/25	14:23	BA	490758
m,p-Xylene	TO15	1.50	1.5	3.3	12	2.76		01/30/25	14:23	BA	490758
o-Xylene	TO15	1.50	0.46	3.3	3.3	0.76		01/30/25	14:23	BA	490758
Styrene	TO15	1.50	0.70	3.2	ND	ND		01/30/25	14:23	BA	490758
Bromoform	TO15	1.50	2.0	7.8	ND	ND		01/30/25	14:23	BA	490758
1,1,2,2-Tetrachloroethane	TO15	1.50	1.2	5.2	ND	ND		01/30/25	14:23	BA	490758
4-Ethyl Toluene	TO15	1.50	0.82	3.7	ND	ND		01/30/25	14:23	BA	490758
1,3,5-Trimethylbenzene	TO15	1.50	0.45	3.7	ND	ND		01/30/25	14:23	BA	490758
1,2,4-Trimethylbenzene	TO15	1.50	0.89	3.7	ND	ND		01/30/25	14:23	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-3	**Lab Sample ID:**	2501217-003A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:05	**Certified Clean WO # :**	
Canister/Tube ID:	A7481	**Received PSI :**	14.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,4-Dichlorobenzene	TO15	1.50	1.1	4.5	ND	ND		01/30/25	14:23	BA	490758
1,3-Dichlorobenzene	TO15	1.50	2.0	4.5	ND	ND		01/30/25	14:23	BA	490758
1,2-Dichlorobenzene	TO15	1.50	1.6	4.5	ND	ND		01/30/25	14:23	BA	490758
Hexachlorobutadiene	TO15	1.50	2.8	8.0	ND	ND		01/30/25	14:23	BA	490758
1,2,4-Trichlorobenzene	TO15	1.50	3.2	5.6	ND	ND		01/30/25	14:23	BA	490758
Naphthalene	TO15	1.50	1.9	3.9	ND	ND		01/30/25	14:23	BA	490758
(S) 4-Bromofluorobenzene	TO15	1.50	50	150	110 %			01/30/25	14:23	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-4	**Lab Sample ID:**	2501217-004A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:56	**Certified Clean WO # :**	
Canister/Tube ID:	6328	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	FG-P	**Prep Batch Date/Time:**	1/31/25	11:00:00AM
Prep Batch ID:	1167762	**Prep Analyst:**	ERESK	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Helium	D1946	3.10	0.033	1.6	ND	ND		01/31/25	12:36	ERESK	490741

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	TO15	1.50	2.4	3.7	ND	ND		01/30/25	14:50	BA	490758
1,1-Difluoroethane	TO15	1.50	0.52	20	ND	ND		01/30/25	14:50	BA	490758
1,2-Dichlorotetrafluoroethane	TO15	1.50	2.1	5.2	ND	ND		01/30/25	14:50	BA	490758
Chloromethane	TO15	1.50	3.1	6.2	ND	ND		01/30/25	14:50	BA	490758
Vinyl Chloride	TO15	1.50	0.34	1.9	ND	ND		01/30/25	14:50	BA	490758
1,3-Butadiene	TO15	1.50	0.51	1.7	ND	ND		01/30/25	14:50	BA	490758
Bromomethane	TO15	1.50	0.98	2.9	ND	ND		01/30/25	14:50	BA	490758
Chloroethane	TO15	1.50	1.2	2.0	ND	ND		01/30/25	14:50	BA	490758
Trichlorofluoromethane	TO15	1.50	0.83	4.2	ND	ND		01/30/25	14:50	BA	490758
1,1-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	14:50	BA	490758
Freon 113	TO15	1.50	1.5	5.7	ND	ND		01/30/25	14:50	BA	490758
Carbon Disulfide	TO15	1.50	0.56	2.3	ND	ND		01/30/25	14:50	BA	490758
2-Propanol (Isopropyl Alcohol)	TO15	1.50	1.9	18	39	15.85		01/30/25	14:50	BA	490758
Methylene Chloride	TO15	1.50	1.1	16	ND	ND		01/30/25	14:50	BA	490758
Acetone	TO15	1.50	0.59	18	170	71.43		01/30/25	14:50	BA	490758
trans-1,2-Dichloroethene	TO15	1.50	0.71	3.0	ND	ND		01/30/25	14:50	BA	490758
Hexane	TO15	1.50	0.70	2.6	13	3.69		01/30/25	14:50	BA	490758
MTBE	TO15	1.50	0.67	2.7	ND	ND		01/30/25	14:50	BA	490758
tert-Butanol	TO15	1.50	0.93	2.3	ND	ND		01/30/25	14:50	BA	490758
Diisopropyl ether (DIPE)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	14:50	BA	490758
1,1-Dichloroethane	TO15	1.50	0.81	3.0	ND	ND		01/30/25	14:50	BA	490758
ETBE	TO15	1.50	0.49	3.1	ND	ND		01/30/25	14:50	BA	490758
cis-1,2-Dichloroethene	TO15	1.50	1.2	3.0	ND	ND		01/30/25	14:50	BA	490758
Chloroform	TO15	1.50	1.4	3.7	81	16.60		01/30/25	14:50	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-4	**Lab Sample ID:**	2501217-004A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:56	**Certified Clean WO # :**	
Canister/Tube ID:	6328	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Vinyl Acetate	TO15	1.50	1.1	2.6	ND	ND		01/30/25	14:50	BA	490758
Carbon Tetrachloride	TO15	1.50	1.7	4.7	ND	ND		01/30/25	14:50	BA	490758
1,1,1-Trichloroethane	TO15	1.50	1.2	4.1	ND	ND		01/30/25	14:50	BA	490758
2-Butanone (MEK)	TO15	1.50	0.58	2.2	ND	ND		01/30/25	14:50	BA	490758
Ethyl Acetate	TO15	1.50	0.71	2.7	ND	ND		01/30/25	14:50	BA	490758
Tetrahydrofuran	TO15	1.50	0.67	2.2	ND	ND		01/30/25	14:50	BA	490758
Benzene	TO15	1.50	0.66	2.4	4.1	1.29		01/30/25	14:50	BA	490758
TAME	TO15	1.50	1.0	3.1	ND	ND		01/30/25	14:50	BA	490758
1,2-Dichloroethane (EDC)	TO15	1.50	0.63	3.0	ND	ND		01/30/25	14:50	BA	490758
Trichloroethylene	TO15	1.50	1.2	4.0	ND	ND		01/30/25	14:50	BA	490758
1,2-Dichloropropane	TO15	1.50	1.1	3.5	ND	ND		01/30/25	14:50	BA	490758
Bromodichloromethane	TO15	1.50	1.1	5.0	ND	ND		01/30/25	14:50	BA	490758
1,4-Dioxane	TO15	1.50	2.7	5.4	ND	ND		01/30/25	14:50	BA	490758
trans-1,3-Dichloropropene	TO15	1.50	1.6	3.4	ND	ND		01/30/25	14:50	BA	490758
Toluene	TO15	1.50	1.1	2.8	ND	ND		01/30/25	14:50	BA	490758
4-Methyl-2-Pentanone (MIBK)	TO15	1.50	1.1	3.1	ND	ND		01/30/25	14:50	BA	490758
cis-1,3-Dichloropropene	TO15	1.50	0.63	3.4	ND	ND		01/30/25	14:50	BA	490758
Tetrachloroethylene	TO15	1.50	2.2	5.1	ND	ND		01/30/25	14:50	BA	490758
1,1,2-Trichloroethane	TO15	1.50	0.88	4.1	ND	ND		01/30/25	14:50	BA	490758
Dibromochloromethane	TO15	1.50	1.7	6.4	ND	ND		01/30/25	14:50	BA	490758
1,2-Dibromoethane (EDB)	TO15	1.50	1.1	5.8	ND	ND		01/30/25	14:50	BA	490758
2-Hexanone	TO15	1.50	0.98	3.1	ND	ND		01/30/25	14:50	BA	490758
Ethyl Benzene	TO15	1.50	0.94	3.3	4.0	0.92		01/30/25	14:50	BA	490758
Chlorobenzene	TO15	1.50	0.90	3.5	ND	ND		01/30/25	14:50	BA	490758
1,1,1,2-Tetrachloroethane	TO15	1.50	1.3	5.2	ND	ND		01/30/25	14:50	BA	490758
m,p-Xylene	TO15	1.50	1.5	3.3	16	3.69		01/30/25	14:50	BA	490758
o-Xylene	TO15	1.50	0.46	3.3	3.9	0.90		01/30/25	14:50	BA	490758
Styrene	TO15	1.50	0.70	3.2	ND	ND		01/30/25	14:50	BA	490758
Bromoform	TO15	1.50	2.0	7.8	ND	ND		01/30/25	14:50	BA	490758
1,1,2,2-Tetrachloroethane	TO15	1.50	1.2	5.2	ND	ND		01/30/25	14:50	BA	490758
4-Ethyl Toluene	TO15	1.50	0.82	3.7	ND	ND		01/30/25	14:50	BA	490758
1,3,5-Trimethylbenzene	TO15	1.50	0.45	3.7	ND	ND		01/30/25	14:50	BA	490758
1,2,4-Trimethylbenzene	TO15	1.50	0.89	3.7	ND	ND		01/30/25	14:50	BA	490758

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Cade Klock
AEI Consultants

Date/Time Received: 01/29/25, 11:14 am
Date Reported: 02/03/25

Client Sample ID:	SS-4	**Lab Sample ID:**	2501217-004A
Project Name/Location:	Limited Phase II	**Sample Matrix:**	Air
Project Number:	500681		
Date/Time Sampled:	01/28/25 / 15:56	**Certified Clean WO # :**	
Canister/Tube ID:	6328	**Received PSI :**	12.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	1/30/25	11:05:00AM
Prep Batch ID:	1167790	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,4-Dichlorobenzene	TO15	1.50	1.1	4.5	ND	ND		01/30/25	14:50	BA	490758
1,3-Dichlorobenzene	TO15	1.50	2.0	4.5	ND	ND		01/30/25	14:50	BA	490758
1,2-Dichlorobenzene	TO15	1.50	1.6	4.5	ND	ND		01/30/25	14:50	BA	490758
Hexachlorobutadiene	TO15	1.50	2.8	8.0	ND	ND		01/30/25	14:50	BA	490758
1,2,4-Trichlorobenzene	TO15	1.50	3.2	5.6	ND	ND		01/30/25	14:50	BA	490758
Naphthalene	TO15	1.50	1.9	3.9	ND	ND		01/30/25	14:50	BA	490758
(S) 4-Bromofluorobenzene	TO15	1.50	50	150	110 %			01/30/25	14:50	BA	490758

MB Summary Report

Work Order:	2501217	**Prep Method:**	FG-P	**Prep Date:**	01/31/25	**Prep Batch:**	1167762
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	1/31/2025	**Analytical Batch:**	490741
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Helium	110	5000	ND	

Work Order:	2501217	**Prep Method:**	TO15-P	**Prep Date:**	01/30/25	**Prep Batch:**	1167790
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	1/30/2025	**Analytical Batch:**	490758
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	0.31	
Tetrahydrofuran	0.15	0.50	0.17	
Benzene	0.14	0.50	0.48	
TAME	0.16	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2501217	**Prep Method:**	TO15-P	**Prep Date:**	01/30/25	**Prep Batch:**	1167790
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	1/30/2025	**Analytical Batch:**	490758
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
1,2-Dichloroethane (EDC)	0.10	0.50	ND		
Trichloroethylene	0.15	0.50	ND		
1,2-Dichloropropane	0.17	0.50	ND		
Bromodichloromethane	0.11	0.50	ND		
1,4-Dioxane	0.50	1.0	ND		
trans-1,3-Dichloropropene	0.23	0.50	ND		
Toluene	0.20	0.50	ND		
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND		
cis-1,3-Dichloropropene	0.093	0.50	ND		
Tetrachloroethylene	0.22	0.50	ND		
1,1,2-Trichloroethane	0.11	0.50	ND		
Dibromochloromethane	0.13	0.50	ND		
1,2-Dibromoethane (EDB)	0.096	0.50	ND		
2-Hexanone	0.16	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
Chlorobenzene	0.13	0.50	ND		
1,1,1,2-Tetrachloroethane	0.12	0.50	ND		
m,p-Xylene	0.23	0.50	ND		
o-Xylene	0.070	0.50	ND		
Styrene	0.11	0.50	ND		
Bromoform	0.13	0.50	ND		
1,1,2,2-Tetrachloroethane	0.12	0.50	ND		
4-Ethyl Toluene	0.11	0.50	ND		
1,3,5-Trimethylbenzene	0.061	0.50	ND		
1,2,4-Trimethylbenzene	0.12	0.50	ND		
1,4-Dichlorobenzene	0.12	0.50	ND		
1,3-Dichlorobenzene	0.22	0.50	ND		
1,2-Dichlorobenzene	0.18	0.50	ND		
Hexachlorobutadiene	0.17	0.50	ND		
1,2,4-Trichlorobenzene	0.29	0.50	ND		
Naphthalene	0.24	0.50	ND		
Cyclohexane	0.50	0.50	ND		
Benzyl Chloride	0.20	0.50	ND		
Heptane	0.13	0.50	0.36		
(S) 4-Bromofluorobenzene			94		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2501217	**Prep Method:**	FG-P	**Prep Date:**	01/31/25	**Prep Batch:**	1167762
Matrix:	Air	**Analytical Method:**	D1946	**Analyzed Date:**	1/31/2025	**Analytical Batch:**	490741
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	110	100	ND	5000	87.8	85.1	3.01	65 - 135	30	

Work Order:	2501217	**Prep Method:**	TO15-P	**Prep Date:**	01/30/25	**Prep Batch:**	1167790
Matrix:	Air	**Analytical Method:**	TO15	**Analyzed Date:**	1/30/2025	**Analytical Batch:**	490758
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	100	96.8	3.30	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	86.4	82.8	4.43	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	87.9	88.8	1.13	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	91.5	92.9	1.49	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	97.9	98.6	0.763	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	97.3	103		50 - 150		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: AEI Consultants

Project Name: Limited Phase II

Work Order No.: 2501217

Date and Time Received: 1/29/2025 11:14:00AM

Received By: CM

Physically Logged By: CM

Checklist Completed By: CM

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	N/A

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5781	AEI Consultants	**QC Level:**	II
Project Name:	Limited Phase II		**TAT Requested:**	3 Day Std:3
Project # :	500681		**Date Received:**	1/29/2025
Report Due Date:	2/3/2025		**Time Received:**	11:14 am

Comments:

Work Order # : ***2501217***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2501217-001A	SS-1	01/28/25 14:25	Air				VOC_A_FG D1946 VOC_A_TO15	
Sample Note:	TO-15 / He							
2501217-002A	SS-2	01/28/25 14:47	Air				VOC_A_FG D1946 VOC_A_TO15	
2501217-003A	SS-3	01/28/25 15:05	Air				VOC_A_FG D1946 VOC_A_TO15	
2501217-004A	SS-4	01/28/25 15:56	Air				VOC_A_FG D1946 VOC_A_TO15	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

Reset

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 2501217

Company Name: 2500 Camino Diablo ☐ ☑ Env. ☐ Special			Project #: 500681 PO #: 392912
Address: 2500 Camino Diablo			Project Name: Limited Phase II
City: Walnut Creek	State: CA	Zip Code: 94597	Comments:
Telephone: 925-746-6000	Cell: 724-344-0251		SAMPLER: M.Kennedy Quote #:
REPORT TO: Cade Klock / M.Kennedy BILL TO: AEI			EMAIL: mkennedy@aeiconsulants.com

TURNAROUND TIME: ☐ 2 - 8 Hours ☐ 2 Work Days ☐ 5 Work Days ☐ Noon - Nxt Day ☒ 3 Work Days ☐ 7 Work Days ☐ 1 Work Day ☐ 4 Work Days ☐ 10 Work Days

SAMPLE TYPE: ☐ Indoor Air ☐ Ambient Air ☒ Soil/Gas Vapor ☐ Other

REPORT FORMAT: ☒ Level II - Std. ☐ Excel - EDD ☐ EDF ☐ Std.-EDD ☐ QC Level III ☐ QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac.	Final Vac.	Flow Controller #	TO 15	TO 15 SIM	TO 17	Helium			REMARKS
001	SS-1	11/28/25 1424	Soil Vapor	1	6L (1L)	R3587	-25	-5	DE-77	☒	☐	☐	X			
002	SS-2	1447			6L 1L	N3978	-25	-5	DE-91	☒	☐	☐	X			
003	SS-3	1505			6L 1L	A7481	-26	-5	DE-64	☒	☐	☐	X			
004	SS-4	1536			6L 1L	6328	-28	-5	DE-114	☒	☐	☐	X			
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				
					6L 1L					☐	☐	☐				

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Madison Kennedy	11/28/25	1750	Bruce Anderson		11/29/25	10:15
2		Bruce	11/29/25	11:10		Claudia Moreno	11/29/25	11:14

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment FIC Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp _____ °C Page 1 of 1 Rev. 5

QA-F-066, TLICD-960

Canisters recd @ ambient temp