PES Environmental, Inc.
Engineering & Environmental Services

A Report Prepared for:

The Sobrato Organization
599 Castro Street, Suite 400
Mountain View, California 94041

SOIL VAPOR INVESTIGATION REPORT
EL CAMINO CENTER-PROPOSED RESIDENTIAL DEVELOPMENT
200-336 PORTAGE AVENUE
PALO ALTO, CALIFORNIA

FEBRUARY 8, 2021

By:

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126.076.01.004

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1.0 INTRODUCTION

This *Soil Vapor Investigation Report* has been prepared by PES Environmental, Inc. (PES), on behalf of The Sobrato Organization (Sobrato), to present the results of a subsurface soil vapor investigation conducted in support of planned redevelopment of the northern third of the El Camino Center located at 200-336 Portage Avenue in Palo Alto, California (study area or site). The site location is shown on Plate 1 and site layout is provided on Plate 2. PES understands that Sobrato is contemplating redevelopment the study area for residential purposes.

This Report provides: (1) a brief description of the study area and El Camino Center property; (2) a description of the sampling means and methods; (3) the results of the subsurface investigation; and (4) conclusions and recommendations based upon the results.

2.0 BACKGROUND

Physical Features and Use History

The study area, which comprises approximately 4.3 acres of the 15-acre El Camino Center, contains one multi-segmented retail, warehouse, and office building and associated paved parking and landscaped areas. The site is identified by Santa Clara County Assessor's Parcel Numbers (SCC APNs) 132-38-071 (partial), 132-32-042, and 132-32-047.

The study area consists of the northern third of the El Camino Center with the addresses of 200 – 336 Portage Avenue in the City of Palo Alto, Santa Clara County, California (Plates 1 and 2). Onsite parking to the study area is accessed from Portage Avenue and Park Boulevard. Historical addresses for the portion of El Camino Center that makes up the study area included 3018 and 3200 Park Boulevard. These historical Park Boulevard addresses are now included in the combined 200-210 Portage Avenue tenant space of the building.

The site is zoned as a Commercial Downtown Community (CDCP) and is located in a primarily commercial area. The site is bounded to the north by a small commercial property (3040 Park Boulevard) and Park Boulevard, to the south by the remainder of the commercial buildings of the El Camino Center, to the west by commercial and residential properties fronting Olive Avenue, and to the east by Matadero Creek.

The study area is either vacant or currently used for offices. Hazardous material use is limited to the *de minimis* use of janitorial supplies. No significant concerns regarding hazardous material use at the site was identified. PES's historical research indicates that the El Camino Center main building was constructed prior to 1920. A railroad spur and line were present on the west side of the main building until the 1980s. Historical site uses and tenants in the study area portion of the building included a warehouse and foundry (buildings no longer present),

a food processor (Mercer Processing), a paper container manufacturer, a display manufacturer, a market, and offices[1].

Historical Environmental Information

During a 1992 investigation of the former SP right-of-way on the west side of the study area, soil samples were collected and composited to evaluate soil quality. Low levels of TCE detected immediately above the groundwater table were concluded to be associated with a known offsite source of contamination. No significant concerns were identified. In 2002, soil contaminated with TCE was removed from the former Mercer Processing facility at 230 Portage Avenue. A TCE cleanup goal of 0.2 mg/kg (below current residential RWQCB cleanup standards) was used in excavating approximately 285 cubic yards of soil from depths up to 20.5 feet below grade. Regulatory case closure was issued in 2002.

Several historical underground storage tanks (USTs) have been removed from the El Camino Center south (hydraulically upgradient) from the study area under regulatory oversight. During removal of the USTs, residual petroleum hydrocarbons were identified in subsurface soils and shallow groundwater in close proximity to the former USTs. Concentrations of petroleum hydrocarbons in soil and groundwater were observed to typically be below relevant environmental screening levels except for the material in close proximity to the former UST locations. Since the removal of the USTs and surrounding significantly-affected soil, it is likely that the remaining residual petroleum hydrocarbons are naturally degrading and concentrations are decreasing over time. Regulatory oversight agencies overseeing the closures concur and have granted case closure for all UST removals conducted at the site.

In addition, the study area is located within the identified area of the California-Olive-Emerson (COE) regional chlorinated solvent plume. Shallow groundwater beneath the site has been affected and is currently undergoing semi-annual monitoring by responsible parties. The volatile organic compound (VOC) plume associated with the up-gradient Varian, Eastman Kodak and Dura Bond [not related to site activities] facilities has been under investigation since 1981 and is under the oversight of the U.S. Environmental Protection Agency (US EPA) and the California Regional Water Quality Control Board (RWQCB). Several active monitoring wells associated with the investigations are present on the study area and are sampled on a biannual basis.

A soil gas investigation performed in 2008 identified benzene and trichloroethene (TCE) immediately north of the study area in the southern portion of the El Camino Center main parking lot and buildings in close proximity to a former UST area. Since these vapor samples were collected, the USTs and hydrocarbon-affected soil were removed, and it expected that the source of the benzene vapors is naturally degrading. The TCE in soil vapor is likely the result of the low-level volatile organic compounds (VOCs) present in the shallow groundwater from the COE plume.

[1] PES Environmental, Inc., 2020. *Phase I Environmental Site Assessment, Northern Third of El Camino Center, 200-336 Portage Avenue, Palo Alto, California*. November 17.

3.0 SOIL VAPOR INVESTIGATION

To further understand soil vapor conditions beneath the study area resulting from known past site use activities and regional groundwater conditions, PES conducted a soil vapor survey on December 10 and 11, 2020 that included advancing 12 borings (SV1 through SV12) and collecting soil vapor samples at various depths. The approximate locations of the borings are shown on Plate 2.

Work activities related to the probe installation and sampling were performed under the supervision of a PES California-registered geologist or engineer. Drilling services were performed by Environmental Control Associates, Inc., (ECA) possessing a valid C-57 water well contractor's license issued by the State of California. Laboratory chemical analyses were performed by Torrent Laboratory, Inc. (Torrent), a California state-certified laboratory for the requested chemical analyses. Details and procedures of the work activities are provided in the following sections.

3.1 Field Preparation Activities

A drilling permit from the Santa Clara Valley Water District (SCVWD) was not required for the temporary soil gas probes because the borings were shallower than 45 feet below grade. Underground Service Alert was contacted at least 72 hours prior to the start of drilling activities. Additionally, C. Cruz Sub-Surface Locators, Inc. (C. Cruz) of Milpitas, California, a private utility locating company, was retained to clear the sample locations for subsurface utilities or other features. Environmental Control Associates (ECA) of Aptos, California, a drilling contractor possessing a valid C-57 water well contractor's license issued by the State of California, was retained to perform the soil sampling. Prior to initiating drilling and sampling activities, a site-specific Health and Safety Plan conforming to applicable federal, California Occupational Safety and Health Administration (OSHA) and Title 29 CFR 1910.120 guidelines was prepared by PES for the sampling activities.

3.2 Sampling and Analytical Methods

ECA, under subcontract to PES, utilized either a truck-mounted drill rig using direct-push technology, or a limited-access drill rig equipped with a hydraulic ram to advance the borings to depths up to 20 feet below grade. The soil vapor survey followed the procedures outlined in the *Advisory for Active Soil Gas Surveys* published by the Department of Toxic Substances Control (DTSC) and the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) and California Regional Water Quality Control Board – San Francisco Bay Region (SFRWQCB) dated July 2015 (the Advisory)[2].

[2] DTSC, 2015. *Advisory - Active Soil Gas Investigations* (ASGI). Jointly developed by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC), and the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) and RWQCB - San Francisco Region (SFRWQCB). July.

Prior to setting soil vapor probes, a pilot hole was advanced on December 10, 2020 at a single location on the western portion of the study area to assess the depth to groundwater. Once groundwater was encountered, a groundwater elevation was measured using a digital water level meter and found to be present at a depth of approximately 18 feet below ground surface (bgs).

Using the observed groundwater depth, temporary shallow soil gas probes (SV1 through SV12) were installed approximately 2-feet above the observed groundwater elevation (i.e., at 16 feet bgs.) It should be noted that several of the soil borings were advanced within the site building, which is elevated approximately two feet above the surrounding parking area. The depth of the sampling probes were modified to account for changes in the surface elevation relative to the static groundwater depth. In addition, two shallow probes were installed at a depth of 5 feet bgs (SV6 through SV12) to evaluate changes in soil vapor concentrations with depth.

Temporary soil vapor probes were constructed by placing a new disposable porous ceramic soil vapor implant at the target depths that was connected to ¼-inch outside diameter Teflon® tubing which extended to the ground surface. A 12-inch thick #2/12 sand pack interval was placed around the implant as the drilling rods were slowly raised. A 1-foot thick interval of dry granular bentonite was then placed above the sand pack, followed by a hydrated bentonite seal to the ground surface. Each soil vapor probe was allowed to equilibrate with the surrounding formation for a minimum of two hours prior to purging and sampling.

To reduce the potential for cross-contamination between sampling locations, downhole drilling and sampling equipment was thoroughly cleaned prior to initiating work and between sampling locations. Sampling equipment was washed in a dilute Alconox solution, rinsed with potable water, and final rinsed with distilled water between each sampling location.

Prior to purging and the collection of the soil vapor sample, shut-in leak testing was performed. The shut-in test consists of assembling the above-ground sampling apparatus (e.g., valves, lines, and fittings downstream from the top of the probe) and evacuating the line to a measured vacuum of approximately 100 inches of water column (in-H2O), then shutting the vacuum in with closed valves on opposite ends of the sampling train. A vacuum gauge was used to assess if there was any observable loss of vacuum (for at least one minute) prior to purging and collecting the soil vapor samples. If observable vacuum loss was noted, the sample train was re-assembled, and the shut-in test was repeated.

A default of three purge volumes was extracted prior to collecting the soil vapor samples. The stagnant air was purged with a six-liter Summa™ canister. The purge volume was calculated using the sum of the volumes of: (1) the internal volume of the tubing; (2) the void space of the sand pack around the probe tip; and (3) the void space of the dry bentonite in the annular space. In accordance with the Advisory, purging and collection of soil vapor samples was performed using a flow rate of 100 to 200 milliliters per minute (mL/min) and maintaining a vacuum of less than 100 inches of water to mitigate ambient air breakthrough into samples.

Following completion of the shut-in leak test and purging, sample train leak testing was performed using 1,1-diflouroethane (1,1-DFA) as a propellant tracer in combination with a shroud box. The shroud box consisted of a polycarbonate box equipped with an access port to allow charging of the box with a propellant tracer. The shroud box was positioned over the probe with the sample collection tubing passing through the bottom. Once in position, the sample train was connected to a batch-certified clean 1-liter Summa™ canister individually-certified clean by a California-certified analytical laboratory. The shroud box was then charged by spraying the 1,1-DFA into the shroud box. The shroud box remained in place for the duration of sampling. For quality assurance/quality control (QA/QC) evaluation, a second 1-liter SUMMA canister was placed within the shroud and used to collect a shroud air sample concurrent with each soil vapor sample. The shroud air sample was analyzed for the propellant tracer to quantitatively assess representative leak check compound concentrations in the shroud.

One duplicate QA/QC field sample was collected concurrent with the collection of the primary samples (SV-16). Method blanks were prepared by the laboratory to verify the effectiveness of decontamination procedures in the laboratory. No reusable sampling equipment was used for sample recovery, therefore no equipment blanks were prepared.

After sampling, the SUMMA canisters were labelled with a unique identification number, sampling time, and pre- and post-sample vacuum readings, and transported to Torrent under chain-of-custody protocol. A total of 14 soil vapor samples were collected and analyzed. The samples were analyzed under standard turnaround time for the following:

- VOCs by U.S. Environmental Protection Agency (EPA) Test Method TO-15; and
- 1,1-DFA by U.S. EPA Test Method TO-3. The shroud samples were only analyzed for the propellant tracer, 1,1-DFA.

Upon completion of the sampling activities, each soil vapor probe was removed and the open borehole was sealed by grouting to the surface with neat cement grout in accordance with SCVWD requirements

3.3 Results of Soil Vapor Investigation

Analytical results for the soil vapor samples are summarized in Table 1. Laboratory analytical reports and chain-of-custody forms are presented in Appendix A. Sample locations are shown on Plate 2. The soil vapor analytical results were compared to the San Francisco Bay RWQCB Environmental Screening Levels (ESLs) established for subslab/soil gas in a residential land use scenario (Table SG-1).

As summarized on Table 1, a total of 20 VOCs were detected in the soil vapor samples at concentrations above laboratory reporting limits. Four VOCs were detected at concentrations exceeding their respective residential soil vapor intrusion ESLs, including: benzene, TCE, tetrachloroethane (PCE), and ethylbenzene. A summary of VOC detections above applicable ESLs follows:

- Benzene was detected in 10 of the 14 vapor samples at concentrations ranging from 1.9 micrograms per cubic meter ($\mu g/m^3$) to 33 $\mu g/m^3$. Benzene was detected above the residential soil vapor intrusion ESL (3.2 $\mu g/m^3$) in 8 samples (SV2-16, SV5-16DUP, SV7-16, SV8-16, SV9-13, SV10-16, SV11-18, and SV12-18);
- TCE was detected in 8 of the 14 vapor samples at concentrations ranging from 39 $\mu g/m^3$ to 2,600 $\mu g/m^3$. TCE was detected above the residential soil vapor intrusion ESL (16 $\mu g/m^3$) in 7 samples (SV1-16, SV2-16, SV3-16, SV6-16, SV8-16, SV12-5 and SV12-18);
- PCE was detected in 4 of the 14 vapor samples at concentrations ranging from 4.5 $\mu g/m^3$ to 43 $\mu g/m^3$. PCE was detected above the residential soil vapor intrusion ESL (15 $\mu g/m^3$) in 2 samples (SV6-16 and SV8-16); and
- Ethylbenzene was detected in 8 of the 14 vapor samples at concentrations ranging from 9.6 $\mu g/m^3$ to 240 $\mu g/m^3$. Ethylbenzene was detected above the residential soil vapor intrusion ESL (37 $\mu g/m^3$) in six samples (SV2-16, SV3-16, SV7-16SV10-16, SV11-18 and SV12-18).

The propellant tracer, 1,1-DFA, was detected in six soil vapor samples (SV4-16, SV5-16, SV5-16DUP, SV6-16, SV9-13 and SV12-18). As shown on Table 1, the percentage ambient air leaks were calculated using the 1,1-DFA concentrations recorded in the corresponding shroud samples. With the exception of samples collected from SV-4 and SV-5, each percentage of ambient air leaks were below the 5% advisory limit and are considered valid and representative of field conditions. The analytical data from samples SV5-16, while technically invalid, has a percentage slightly above the advisory limit, shows concentrations similar to the duplicate sample collected at that location. The sample collected from SV4-16 is considered invalid and not used as part of this evaluation.

4.0 DISCUSSION OF RESULTS AND RECOMMENDATIONS

The results of the December 2020 soil vapor investigation identified the presence of VOCs in soil vapor across the study area exceeding residential ESLs. Low concentrations of benzene and other petroleum hydrocarbon-related VOCs were detected in vapor samples across the study area and is likely the results of past petroleum hydrocarbon releases from the former up-gradient off-site USTs, historical industrial activities, and incidental leaks from past and current automobile parking at the El Camino Center. The slight increase in concentrations of benzene with depth also suggest the presence of residual petroleum hydrocarbons in shallow groundwater. Benzene and ethylbenzene, due to their relatively low regulatory screening levels, were found slightly above the residential ESLs.

TCE and PCE, identified in seven and two vapor samples above residential ESLs respectively, were found primarily on the western side of the property coincident with the regional COE plume. Concentrations of these VOCs appear to increase with depth as the probes approached the static water interface and support the regional plume as the source of the VOCs.

The results of the subsurface investigation have identified elevated concentrations of VOCs beneath the site at levels exceeding applicable health screening criteria. However, with appropriate management these materials are not expected to impede proposed site redevelopment. Because VOCs are present in soil vapor above residential ESLs, engineering controls such as passive vapor barriers and venting systems (convertible to active operation) are warranted for this project and should be incorporated into building designs.

In addition, because of the long history of industrial activity on the study area, a site-specific Soil Management and Contingency Plan (SMP) is warranted for redevelopment construction of the study area. The plan should include: (1) information regarding known environmental conditions at the site; (2) protocols for managing soil and groundwater during site redevelopment activities; and (3) protocols for implementing contingencies to manage known residually contaminated soil (Mercer Processing) or encountered unexpectedly during redevelopment construction.

TABLE

Table 1
Summary of Analytical Results for Soil Vapor
El Camino Center-Residential Development
200-340 Portage Avenue, 3040-3250 Park Avenue
Palo Alto, California

Sample Location	Sample Identification	Sample Date	Depth (feet bgs)	Freon 12 (µg/m³)	Carbon Disulfide (µg/m³)	Acetone (µg/m³)	tert-Butanol (µg/m³)	Chloroform (µg/m³)	1,1,1-TCA (µg/m3)	Hexane (µg/m³)	cis-1,2-DCE (µg/m³)	MEK (µg/m³)	Benzene (µg/m³)	TCE (µg/m³)	Toluene (µg/m³)	MIBK (µg/m³)	PCE (µg/m³)	Ethyl-benzene (µg/m³)	m,p-Xylenes (µg/m³)	o-Xylene (µg/m³)	4-Ethyl Toluene (µg/m3)	1,3,5-TMB (µg/m3)	1,2,4-TMB (µg/m3)	1,1-DFA (ppmv)	1,1-DFA - shroud (ppmv)	Percentage Leak (%)
SV1	SV1-16	12/10/2020	16.0	< 47	< 11	< 12	< 19	< 29	< 24	< 14	**260**	**360**	< 13	**2600**	< 23	< 22	< 44	< 19	**66**	< 15	< 16	< 9.0	< 18	< 10	741	0
SV2	SV2-16	12/10/2020	16.0	< 9.4	< 2.2	< 2.4	< 3.7	< 5.8	< 4.8	**150**	< 5.0	**520**	**33**	**98**	**72**	< 4.5	< 8.7	**240**	**1100**	**490**	< 3.3	< 1.8	< 3.6	< 2.1	852	0
SV3	SV3-16	12/10/2020	16.0	< 16	**23**	< 4.0	< 6.2	< 9.7	< 7.9	**67**	< 8.3	**560**	< 4.4	**59**	**37**	**85**	< 15	**46**	**200**	**63**	< 5.5	< 3.0	< 6.0	< 3.5	1,000	0
~~SV4~~	~~SV4-16~~	~~12/10/2020~~	~~16.0~~	~~< 47~~	~~< 11~~	~~< 12~~	~~< 19~~	~~< 29~~	~~< 24~~	~~< 14~~	~~< 25~~	~~< 12~~	~~< 13~~	~~< 24~~	~~< 23~~	~~< 22~~	~~< 44~~	~~< 19~~	~~< 29~~	~~< 9.1~~	~~< 16~~	~~< 9.0~~	~~< 18~~	**293**	~~926~~	~~32~~
SV5	SV5-16	12/10/2020	16.0	< 47	< 11	< 12	< 19	< 29	< 24	< 14	< 25	**780**	< 13	< 24	**59**	**78**	< 44	< 19	**73**	< 9.1	< 16	< 9.0	< 18	**52**	1,000	5.2
	SV5-16DUP	12/10/2020	16.0	< 9.4	< 2.2	< 2.4	< 3.7	< 5.8	< 4.8	**56**	< 5.0	**450**	**12**	< 4.8	**33**	**46**	< 8.7	< 3.8	**47**	**22**	< 3.3	< 1.8	< 3.6	**0.27**	1,000	0.027
SV6	SV6-5	12/10/2020	5.0	< 1.6	< 0.37	< 0.40	< 0.62	< 0.79	< 0.83	**6.3**	< 0.83	**7.6**	**1.9**	< 0.81	**4.3**	< 0.75	< 1.5	< 0.63	**3.6**	< 0.30	< 0.55	< 0.30	< 0.60	< 0.35	593	0
	SV6-16	12/10/2020	16.0	< 1.6	< 0.37	**61**	< 0.62	< 0.97	**23**	< 0.46	< 0.83	**61**	**2.1**	**74**	**9.0**	**4.9**	**17**	**9.6**	**52**	**27**	**3.5**	< 0.30	**5.6**	**0.078**	815	0.010
SV7	SV7-16	12/10/2020	16.0	< 4.7	**9.1**	< 1.2	< 1.9	< 2.9	< 2.4	**360**	< 2.5	**140**	**47**	< 2.4	**140**	< 2.2	**11**	**120**	**580**	**230**	**12**	< 0.90	< 1.8	< 1.0	889	0
SV8	SV8-16	12/10/2020	16.0	< 1.6	**10**	**92**	**8.3**	**12**	**45**	< 0.46	< 0.83	**120**	**4.4**	**39**	**10**	**7.3**	**43**	< 0.63	**3.3**	< 0.30	< 0.55	< 0.30	< 0.60	< 0.35	556	0
SV9	SV9-13	12/10/2020	13.0	< 1.6	**11**	< 0.40	< 0.62	< 0.97	< 0.79	**58**	< 0.83	< 0.39	**15**	**2.7**	**97**	**27**	**4.5**	**13**	**33**	**11**	**6.5**	< 0.30	**5.6**	**0.021**	741	0.0028
SV10	SV10-16	12/10/2020	16.0	< 9.4	< 2.2	< 2.4	< 3.7	< 5.8	< 4.8	**72**	< 5.0	**97**	**33**	< 4.8	**260**	**24**	< 8.7	**54**	**170**	**56**	**36**	< 1.8	**24**	< 2.1	778	0
SV11	SV11-18	12/10/2020	18.0	< 24	< 5.6	**1000**	< 9.3	< 14	< 12	**32**	< 12	**780**	**42**	< 12	**490**	< 11	< 22	**240**	**1000**	**370**	**370**	**84**	**300**	< 5.2	889	0
SV12	SV12-5	12/10/2020	5.0	**2.7**	< 0.37	**14**	< 0.62	< 0.97	< 0.79	< 0.46	< 0.83	< 0.39	< 0.44	**89**	**4.1**	< 0.75	< 1.5	< 0.63	**4.7**	< 0.30	< 0.55	< 0.30	< 0.60	**0.20**	926	0.022
	SV12-18	12/10/2020	18.0	< 9.4	**10**	**130**	< 3.7	< 5.8	< 4.8	**21**	< 5.0	**19**	**18**	**490**	**26**	< 4.5	< 8.7	**38**	**200**	**82**	< 3.3	< 1.8	< 3.6	< 2.1	1,110	0
Residential Soil Vapor ESL (1)				***NE***	***NE***	***1,100,000***	***NE***	***4.1***	***35,000***	***NE***	***280***	***27,000***	***3.2***	***16***	***10,000***	***NE***	***15***	***37***	***3,500***	***3,500***	***NE***	***NE***	***NE***	***NA***	***NA***	***NA***
Commercial Soil Vapor ESL (1)				***NE***	***NE***	***4,500,000***	***NE***	***18***	***150,000***	***NE***	***1,200***	***200,000***	***14***	***100***	***44,000***	***NE***	***67***	***160***	***15,000***	***15,000***	***NE***	***NE***	***NE***	***NA***	***NA***	***NA***

Notes:
Detections shown in **bold,** and only detected values shown in table.
Results equal to or exceeding RWQCB ESL for residential land use are shaded.
Results shown as strike-through are invalide due to equipment leakage
µg/m³: Micrograms per cubic meter.
ppbv: parts per billion by volume
Freon 12: Dichlorodifluoromethane.
TCA: Trichloroethane.
MEK: 2-butanone.
TCE: Trichloroethene.
MIBK: 4-methyl-2-pentanone.
PCE: Tetrachloroethene.
TMB: Trimethylbenzene.
DFA: Difluoroethane.
Leak Check: 1,1-Difluoroethane.
< RL: Not detected at or above the indicated laboratory reporting limit (RL).
NE: Not established.
E: Estimated concentration (oustide of calibration range).
(1) - Environmental Screening Levels (ESLs) for Soil Vapor, Subslab/ Soil Gas, Vapor Intrusion: Human Health Risk Levels for Commercial/ Industrial land use, July 2019 Rev 2 (Table SG-1)

ILLUSTRATIONS



PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
El Camino Center - Proposed Residential Development
200-340 Portage Avenue, 3040-3200 Park Avenue
Palo Alto, California

PLATE
1

126.076.02.004	12607602004_1	JPD	2/21
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



Explanation

- Approximate Boundary of Study Area
- Approximate Boundary of El Camino Center
- Approximate Location of Former Feature
- F140AI — Approximate HP/Varian Well Location
- Soil Vapor Sampling Location

N

0 100

SCALE IN FEET

PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and Sample Locations
El Camino Center - Proposed Residential Development
200-340 Portage Avenue,
3040-3200 Park Avenue
Palo Alto, California

PLATE 2

126.076.02.004	12607602004_2	JPD	2/21
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

PES Environmental, Inc
7665 Redwood Blvd. Suite 200
Novato, California 94945
Tel: (415) 899-1600
Fax: (415) 899-1601

RE: El Camino Center

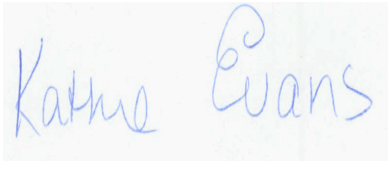
Work Order No.: 2012091

Dear Jim Dunn:

Torrent Laboratory, Inc. received 15 sample(s) on December 11, 2020 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

December 21, 2020
Date

Date: 12/21/2020

Client: PES Environmental, Inc

Project: El Camino Center

Work Order: 2012091

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 Analytical, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/21/20

SV1-16 2012091-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
cis-1,2-Dichloroethene	ETO15	30	25	59	260
2-Butanone (MEK)	ETO15	30	12	44	360
Trichloroethylene	ETO15	30	24	81	2600
m,p-Xylene	ETO15	30	29	65	66

SV2-16 2012091-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Hexane	ETO15	6	2.8	11	150
2-Butanone (MEK)	ETO15	6	2.3	8.9	520
Benzene	ETO15	6	2.6	9.6	33
Trichloroethylene	ETO15	6	4.8	16	98
Toluene	ETO15	6	4.5	11	72
Ethyl Benzene	ETO15	6	3.8	13	240
m,p-Xylene	ETO15	6	5.9	13	1100
o-Xylene	ETO15	6	1.8	13	490

SV3-16 2012091-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	10	3.7	16	23
Hexane	ETO15	10	4.6	18	67
2-Butanone (MEK)	ETO15	10	3.9	15	560
Trichloroethylene	ETO15	10	8.1	27	59
Toluene	ETO15	10	7.5	19	37
4-Methyl-2-Pentanone (MIBK)	ETO15	10	7.5	21	85
Ethyl Benzene	ETO15	10	6.3	22	46
m,p-Xylene	ETO15	10	9.8	22	200
o-Xylene	ETO15	10	3.0	22	63

SV4-16 2012091-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	30	10	410	790000

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/21/20

SV5-16 2012091-005

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
2-Butanone (MEK)	ETO15	30	12	44	780
Toluene	ETO15	30	23	57	59
4-Methyl-2-Pentanone (MIBK)	ETO15	30	22	62	78
m,p-Xylene	ETO15	30	29	65	73
1,1-Difluoroethane	ETO15	60	21	810	140000

SV5-16DUP 2012091-006

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	6	2.1	81	720
Hexane	ETO15	6	2.8	11	56
2-Butanone (MEK)	ETO15	6	2.3	8.9	450
Benzene	ETO15	6	2.6	9.6	12
Toluene	ETO15	6	4.5	11	33
4-Methyl-2-Pentanone (MIBK)	ETO15	6	4.5	12	46
m,p-Xylene	ETO15	6	5.9	13	47
o-Xylene	ETO15	6	1.8	13	22

SV6-16 2012091-007

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	1	0.35	14	210
Acetone	ETO15	1	0.40	12	61
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	23
2-Butanone (MEK)	ETO15	1	0.39	1.5	61
Benzene	ETO15	1	0.44	1.6	2.1
Trichloroethylene	ETO15	1	0.81	2.7	74
Toluene	ETO15	1	0.75	1.9	9.0
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	4.9
Tetrachloroethylene	ETO15	1	1.5	3.4	17
Ethyl Benzene	ETO15	1	0.63	2.2	9.6
m,p-Xylene	ETO15	1	0.98	2.2	52
o-Xylene	ETO15	1	0.30	2.2	27
4-Ethyl Toluene	ETO15	1	0.55	2.5	3.5
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	5.6

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/21/20

SV6-5 2012091-008

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Hexane	ETO15	1	0.46	1.8	6.3
2-Butanone (MEK)	ETO15	1	0.39	1.5	7.6
Benzene	ETO15	1	0.44	1.6	1.9
Toluene	ETO15	1	0.75	1.9	4.3
m,p-Xylene	ETO15	1	0.98	2.2	3.6

SV8-16 2012091-009

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	1	0.37	1.6	10
Acetone	ETO15	1	0.40	12	92
tert-Butanol	ETO15	1	0.62	1.5	8.3
Chloroform	ETO15	1	0.97	2.4	12
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	45
2-Butanone (MEK)	ETO15	1	0.39	1.5	120
Benzene	ETO15	1	0.44	1.6	4.4
Trichloroethylene	ETO15	1	0.81	2.7	39
Toluene	ETO15	1	0.75	1.9	10
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	7.3
Tetrachloroethylene	ETO15	1	1.5	3.4	43
m,p-Xylene	ETO15	1	0.98	2.2	3.3

SV7-16 2012091-010

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	3	1.1	4.7	9.1
Hexane	ETO15	3	1.4	5.3	360
2-Butanone (MEK)	ETO15	3	1.2	4.4	140
Benzene	ETO15	3	1.3	4.8	47
Toluene	ETO15	3	2.3	5.7	140
Tetrachloroethylene	ETO15	3	4.4	10	11
Ethyl Benzene	ETO15	3	1.9	6.5	120
m,p-Xylene	ETO15	3	2.9	6.5	580
o-Xylene	ETO15	3	0.91	6.5	230
4-Ethyl Toluene	ETO15	3	1.6	7.4	12

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/21/20

SV9-13 2012091-011

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	1	0.35	14	57
Carbon Disulfide	ETO15	1	0.37	1.6	11
Hexane	ETO15	1	0.46	1.8	58
Benzene	ETO15	1	0.44	1.6	15
Trichloroethylene	ETO15	1	0.81	2.7	2.7
Toluene	ETO15	1	0.75	1.9	97
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	27
Tetrachloroethylene	ETO15	1	1.5	3.4	4.5
Ethyl Benzene	ETO15	1	0.63	2.2	13
m,p-Xylene	ETO15	1	0.98	2.2	33
o-Xylene	ETO15	1	0.30	2.2	11
4-Ethyl Toluene	ETO15	1	0.55	2.5	6.5
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	5.6

SV10-16 2012091-012

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Hexane	ETO15	6	2.8	11	72
2-Butanone (MEK)	ETO15	6	2.3	8.9	97
Benzene	ETO15	6	2.6	9.6	33
Toluene	ETO15	6	4.5	11	260
4-Methyl-2-Pentanone (MIBK)	ETO15	6	4.5	12	24
Ethyl Benzene	ETO15	6	3.8	13	54
m,p-Xylene	ETO15	6	5.9	13	170
o-Xylene	ETO15	6	1.8	13	56
4-Ethyl Toluene	ETO15	6	3.3	15	36
1,2,4-Trimethylbenzene	ETO15	6	3.6	15	24

SV11-18 2012091-013

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Acetone	ETO15	15	5.9	180	1000
Hexane	ETO15	15	7.0	26	32
2-Butanone (MEK)	ETO15	15	5.8	22	780
Benzene	ETO15	15	6.6	24	42
Toluene	ETO15	15	11	28	490
Ethyl Benzene	ETO15	15	9.4	33	240
m,p-Xylene	ETO15	15	15	33	1000
o-Xylene	ETO15	15	4.6	33	370
4-Ethyl Toluene	ETO15	15	8.2	37	370
1,3,5-Trimethylbenzene	ETO15	15	4.5	37	84
1,2,4-Trimethylbenzene	ETO15	15	8.9	37	300

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/21/20

SV12-18 2012091-014

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Carbon Disulfide	ETO15	6	2.2	9.3	10
Acetone	ETO15	6	2.4	71	130
Hexane	ETO15	6	2.8	11	21
2-Butanone (MEK)	ETO15	6	2.3	8.9	19
Benzene	ETO15	6	2.6	9.6	18
Trichloroethylene	ETO15	6	4.8	16	490
Toluene	ETO15	6	4.5	11	26
Ethyl Benzene	ETO15	6	3.8	13	38
m,p-Xylene	ETO15	6	5.9	13	200
o-Xylene	ETO15	6	1.8	13	82

SV12-5 2012091-015

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
Dichlorodifluoromethane	ETO15	1	1.6	2.5	2.7
1,1-Difluoroethane	ETO15	1	0.35	14	540
Acetone	ETO15	1	0.40	12	14
Trichloroethylene	ETO15	1	0.81	2.7	89
Toluene	ETO15	1	0.75	1.9	4.1
m,p-Xylene	ETO15	1	0.98	2.2	4.7

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV1-16	**Lab Sample ID:**	2012091-001A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	N3971	**Received PSI :**	13.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	30.00	47	74	ND	ND		12/18/20	18:37	BA	453054
1,1-Difluoroethane	ETO15	30.00	10	410	ND	ND		12/18/20	18:37	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	30.00	42	100	ND	ND		12/18/20	18:37	BA	453054
Chloromethane	ETO15	30.00	61	120	ND	ND		12/18/20	18:37	BA	453054
Vinyl Chloride	ETO15	30.00	6.8	38	ND	ND		12/18/20	18:37	BA	453054
1,3-Butadiene	ETO15	30.00	10	33	ND	ND		12/18/20	18:37	BA	453054
Bromomethane	ETO15	30.00	20	58	ND	ND		12/18/20	18:37	BA	453054
Chloroethane	ETO15	30.00	24	40	ND	ND		12/18/20	18:37	BA	453054
Trichlorofluoromethane	ETO15	30.00	17	84	ND	ND		12/18/20	18:37	BA	453054
1,1-Dichloroethene	ETO15	30.00	25	60	ND	ND		12/18/20	18:37	BA	453054
Freon 113	ETO15	30.00	31	110	ND	ND		12/18/20	18:37	BA	453054
Carbon Disulfide	ETO15	30.00	11	47	ND	ND		12/18/20	18:37	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	30.00	38	370	ND	ND		12/18/20	18:37	BA	453054
Methylene Chloride	ETO15	30.00	21	310	ND	ND		12/18/20	18:37	BA	453054
Acetone	ETO15	30.00	12	360	ND	ND		12/18/20	18:37	BA	453054
trans-1,2-Dichloroethene	ETO15	30.00	14	59	ND	ND		12/18/20	18:37	BA	453054
Hexane	ETO15	30.00	14	53	ND	ND		12/18/20	18:37	BA	453054
MTBE	ETO15	30.00	13	54	ND	ND		12/18/20	18:37	BA	453054
tert-Butanol	ETO15	30.00	19	45	ND	ND		12/18/20	18:37	BA	453054
Diisopropyl ether (DIPE)	ETO15	30.00	22	63	ND	ND		12/18/20	18:37	BA	453054
1,1-Dichloroethane	ETO15	30.00	16	61	ND	ND		12/18/20	18:37	BA	453054
ETBE	ETO15	30.00	9.8	63	ND	ND		12/18/20	18:37	BA	453054
cis-1,2-Dichloroethene	ETO15	30.00	25	59	260	65.66		12/18/20	18:37	BA	453054
Chloroform	ETO15	30.00	29	73	ND	ND		12/18/20	18:37	BA	453054
Vinyl Acetate	ETO15	30.00	23	53	ND	ND		12/18/20	18:37	BA	453054
Carbon Tetrachloride	ETO15	30.00	33	94	ND	ND		12/18/20	18:37	BA	453054
1,1,1-Trichloroethane	ETO15	30.00	24	82	ND	ND		12/18/20	18:37	BA	453054
2-Butanone (MEK)	ETO15	30.00	12	44	360	122.03		12/18/20	18:37	BA	453054
Ethyl Acetate	ETO15	30.00	14	54	ND	ND		12/18/20	18:37	BA	453054
Tetrahydrofuran	ETO15	30.00	13	44	ND	ND		12/18/20	18:37	BA	453054
Benzene	ETO15	30.00	13	48	ND	ND		12/18/20	18:37	BA	453054
TAME	ETO15	30.00	20	63	ND	ND		12/18/20	18:37	BA	453054
1,2-Dichloroethane (EDC)	ETO15	30.00	13	61	ND	ND		12/18/20	18:37	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV1-16	**Lab Sample ID:**	2012091-001A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	N3971	**Received PSI :**	13.7
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	30.00	24	81	2600	484.17		12/18/20	18:37	BA	453054
1,2-Dichloropropane	ETO15	30.00	23	69	ND	ND		12/18/20	18:37	BA	453054
Bromodichloromethane	ETO15	30.00	22	100	ND	ND		12/18/20	18:37	BA	453054
1,4-Dioxane	ETO15	30.00	54	110	ND	ND		12/18/20	18:37	BA	453054
trans-1,3-Dichloropropene	ETO15	30.00	32	68	ND	ND		12/18/20	18:37	BA	453054
Toluene	ETO15	30.00	23	57	ND	ND		12/18/20	18:37	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	30.00	22	62	ND	ND		12/18/20	18:37	BA	453054
cis-1,3-Dichloropropene	ETO15	30.00	13	68	ND	ND		12/18/20	18:37	BA	453054
Tetrachloroethylene	ETO15	30.00	44	100	ND	ND		12/18/20	18:37	BA	453054
1,1,2-Trichloroethane	ETO15	30.00	18	82	ND	ND		12/18/20	18:37	BA	453054
Dibromochloromethane	ETO15	30.00	33	130	ND	ND		12/18/20	18:37	BA	453054
1,2-Dibromoethane (EDB)	ETO15	30.00	22	120	ND	ND		12/18/20	18:37	BA	453054
2-Hexanone	ETO15	30.00	20	62	ND	ND		12/18/20	18:37	BA	453054
Ethyl Benzene	ETO15	30.00	19	65	ND	ND		12/18/20	18:37	BA	453054
Chlorobenzene	ETO15	30.00	18	69	ND	ND		12/18/20	18:37	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	18:37	BA	453054
m,p-Xylene	ETO15	30.00	29	65	66	15.21		12/18/20	18:37	BA	453054
o-Xylene	ETO15	30.00	9.1	65	ND	ND		12/18/20	18:37	BA	453054
Styrene	ETO15	30.00	14	64	ND	ND		12/18/20	18:37	BA	453054
Bromoform	ETO15	30.00	39	160	ND	ND		12/18/20	18:37	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	18:37	BA	453054
4-Ethyl Toluene	ETO15	30.00	16	74	ND	ND		12/18/20	18:37	BA	453054
1,3,5-Trimethylbenzene	ETO15	30.00	9.0	74	ND	ND		12/18/20	18:37	BA	453054
1,2,4-Trimethylbenzene	ETO15	30.00	18	74	ND	ND		12/18/20	18:37	BA	453054
1,4-Dichlorobenzene	ETO15	30.00	22	90	ND	ND		12/18/20	18:37	BA	453054
1,3-Dichlorobenzene	ETO15	30.00	40	90	ND	ND		12/18/20	18:37	BA	453054
1,2-Dichlorobenzene	ETO15	30.00	32	90	ND	ND		12/18/20	18:37	BA	453054
Hexachlorobutadiene	ETO15	30.00	56	160	ND	ND		12/18/20	18:37	BA	453054
1,2,4-Trichlorobenzene	ETO15	30.00	65	110	ND	ND		12/18/20	18:37	BA	453054
Naphthalene	ETO15	30.00	38	79	ND	ND		12/18/20	18:37	BA	453054
(S) 4-Bromofluorobenzene	ETO15	30.00	50	150	97 %			12/18/20	18:37	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV2-16	**Lab Sample ID:**	2012091-002A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:14	**Certified Clean WO # :**	
Canister/Tube ID:	R3732	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	6.00	9.4	15	ND	ND		12/18/20	23:10	BA	453054
1,1-Difluoroethane	ETO15	6.00	2.1	81	ND	ND		12/18/20	23:10	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	6.00	8.4	21	ND	ND		12/18/20	23:10	BA	453054
Chloromethane	ETO15	6.00	12	25	ND	ND		12/18/20	23:10	BA	453054
Vinyl Chloride	ETO15	6.00	1.4	7.7	ND	ND		12/18/20	23:10	BA	453054
1,3-Butadiene	ETO15	6.00	2.0	6.6	ND	ND		12/18/20	23:10	BA	453054
Bromomethane	ETO15	6.00	3.9	12	ND	ND		12/18/20	23:10	BA	453054
Chloroethane	ETO15	6.00	4.9	7.9	ND	ND		12/18/20	23:10	BA	453054
Trichlorofluoromethane	ETO15	6.00	3.3	17	ND	ND		12/18/20	23:10	BA	453054
1,1-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/18/20	23:10	BA	453054
Freon 113	ETO15	6.00	6.1	23	ND	ND		12/18/20	23:10	BA	453054
Carbon Disulfide	ETO15	6.00	2.2	9.3	ND	ND		12/18/20	23:10	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	6.00	7.7	74	ND	ND		12/18/20	23:10	BA	453054
Methylene Chloride	ETO15	6.00	4.2	62	ND	ND		12/18/20	23:10	BA	453054
Acetone	ETO15	6.00	2.4	71	ND	ND		12/18/20	23:10	BA	453054
trans-1,2-Dichloroethene	ETO15	6.00	2.9	12	ND	ND		12/18/20	23:10	BA	453054
Hexane	ETO15	6.00	2.8	11	150	42.61		12/18/20	23:10	BA	453054
MTBE	ETO15	6.00	2.7	11	ND	ND		12/18/20	23:10	BA	453054
tert-Butanol	ETO15	6.00	3.7	9.1	ND	ND		12/18/20	23:10	BA	453054
Diisopropyl ether (DIPE)	ETO15	6.00	4.4	13	ND	ND		12/18/20	23:10	BA	453054
1,1-Dichloroethane	ETO15	6.00	3.3	12	ND	ND		12/18/20	23:10	BA	453054
ETBE	ETO15	6.00	2.0	13	ND	ND		12/18/20	23:10	BA	453054
cis-1,2-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/18/20	23:10	BA	453054
Chloroform	ETO15	6.00	5.8	15	ND	ND		12/18/20	23:10	BA	453054
Vinyl Acetate	ETO15	6.00	4.5	11	ND	ND		12/18/20	23:10	BA	453054
Carbon Tetrachloride	ETO15	6.00	6.6	19	ND	ND		12/18/20	23:10	BA	453054
1,1,1-Trichloroethane	ETO15	6.00	4.8	16	ND	ND		12/18/20	23:10	BA	453054
2-Butanone (MEK)	ETO15	6.00	2.3	8.9	520	176.27		12/18/20	23:10	BA	453054
Ethyl Acetate	ETO15	6.00	2.9	11	ND	ND		12/18/20	23:10	BA	453054
Tetrahydrofuran	ETO15	6.00	2.7	8.9	ND	ND		12/18/20	23:10	BA	453054
Benzene	ETO15	6.00	2.6	9.6	33	10.34		12/18/20	23:10	BA	453054
TAME	ETO15	6.00	4.0	13	ND	ND		12/18/20	23:10	BA	453054
1,2-Dichloroethane (EDC)	ETO15	6.00	2.5	12	ND	ND		12/18/20	23:10	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV2-16	**Lab Sample ID:**	2012091-002A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:14	**Certified Clean WO # :**	
Canister/Tube ID:	R3732	**Received PSI :**	12.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	6.00	4.8	16	98	18.25		12/18/20	23:10	BA	453054
1,2-Dichloropropane	ETO15	6.00	4.6	14	ND	ND		12/18/20	23:10	BA	453054
Bromodichloromethane	ETO15	6.00	4.5	20	ND	ND		12/18/20	23:10	BA	453054
1,4-Dioxane	ETO15	6.00	11	22	ND	ND		12/18/20	23:10	BA	453054
trans-1,3-Dichloropropene	ETO15	6.00	6.4	14	ND	ND		12/18/20	23:10	BA	453054
Toluene	ETO15	6.00	4.5	11	72	19.10		12/18/20	23:10	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	6.00	4.5	12	ND	ND		12/18/20	23:10	BA	453054
cis-1,3-Dichloropropene	ETO15	6.00	2.5	14	ND	ND		12/18/20	23:10	BA	453054
Tetrachloroethylene	ETO15	6.00	8.7	20	ND	ND		12/18/20	23:10	BA	453054
1,1,2-Trichloroethane	ETO15	6.00	3.5	16	ND	ND		12/18/20	23:10	BA	453054
Dibromochloromethane	ETO15	6.00	6.7	26	ND	ND		12/18/20	23:10	BA	453054
1,2-Dibromoethane (EDB)	ETO15	6.00	4.4	23	ND	ND		12/18/20	23:10	BA	453054
2-Hexanone	ETO15	6.00	3.9	12	ND	ND		12/18/20	23:10	BA	453054
Ethyl Benzene	ETO15	6.00	3.8	13	240	55.30		12/18/20	23:10	BA	453054
Chlorobenzene	ETO15	6.00	3.6	14	ND	ND		12/18/20	23:10	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	6.00	5.0	21	ND	ND		12/18/20	23:10	BA	453054
m,p-Xylene	ETO15	6.00	5.9	13	1100	253.46		12/18/20	23:10	BA	453054
o-Xylene	ETO15	6.00	1.8	13	490	112.90		12/18/20	23:10	BA	453054
Styrene	ETO15	6.00	2.8	13	ND	ND		12/18/20	23:10	BA	453054
Bromoform	ETO15	6.00	7.8	31	ND	ND		12/18/20	23:10	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	6.00	4.9	21	ND	ND		12/18/20	23:10	BA	453054
4-Ethyl Toluene	ETO15	6.00	3.3	15	ND	ND		12/18/20	23:10	BA	453054
1,3,5-Trimethylbenzene	ETO15	6.00	1.8	15	ND	ND		12/18/20	23:10	BA	453054
1,2,4-Trimethylbenzene	ETO15	6.00	3.6	15	ND	ND		12/18/20	23:10	BA	453054
1,4-Dichlorobenzene	ETO15	6.00	4.5	18	ND	ND		12/18/20	23:10	BA	453054
1,3-Dichlorobenzene	ETO15	6.00	8.0	18	ND	ND		12/18/20	23:10	BA	453054
1,2-Dichlorobenzene	ETO15	6.00	6.4	18	ND	ND		12/18/20	23:10	BA	453054
Hexachlorobutadiene	ETO15	6.00	11	32	ND	ND		12/18/20	23:10	BA	453054
1,2,4-Trichlorobenzene	ETO15	6.00	13	22	ND	ND		12/18/20	23:10	BA	453054
Naphthalene	ETO15	6.00	7.6	16	ND	ND		12/18/20	23:10	BA	453054
(S) 4-Bromofluorobenzene	ETO15	6.00	50	150	100 %			12/18/20	23:10	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV3-16	**Lab Sample ID:**	2012091-003A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:49	**Certified Clean WO # :**	
Canister/Tube ID:	A7550	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	10.00	16	25	ND	ND		12/18/20	23:35	BA	453054
1,1-Difluoroethane	ETO15	10.00	3.5	140	ND	ND		12/18/20	23:35	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	10.00	14	35	ND	ND		12/18/20	23:35	BA	453054
Chloromethane	ETO15	10.00	20	41	ND	ND		12/18/20	23:35	BA	453054
Vinyl Chloride	ETO15	10.00	2.3	13	ND	ND		12/18/20	23:35	BA	453054
1,3-Butadiene	ETO15	10.00	3.4	11	ND	ND		12/18/20	23:35	BA	453054
Bromomethane	ETO15	10.00	6.6	19	ND	ND		12/18/20	23:35	BA	453054
Chloroethane	ETO15	10.00	8.1	13	ND	ND		12/18/20	23:35	BA	453054
Trichlorofluoromethane	ETO15	10.00	5.6	28	ND	ND		12/18/20	23:35	BA	453054
1,1-Dichloroethene	ETO15	10.00	8.3	20	ND	ND		12/18/20	23:35	BA	453054
Freon 113	ETO15	10.00	10	38	ND	ND		12/18/20	23:35	BA	453054
Carbon Disulfide	ETO15	10.00	3.7	16	23	7.40		12/18/20	23:35	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	10.00	13	120	ND	ND		12/18/20	23:35	BA	453054
Methylene Chloride	ETO15	10.00	7.0	100	ND	ND		12/18/20	23:35	BA	453054
Acetone	ETO15	10.00	4.0	120	ND	ND		12/18/20	23:35	BA	453054
trans-1,2-Dichloroethene	ETO15	10.00	4.8	20	ND	ND		12/18/20	23:35	BA	453054
Hexane	ETO15	10.00	4.6	18	67	19.03		12/18/20	23:35	BA	453054
MTBE	ETO15	10.00	4.4	18	ND	ND		12/18/20	23:35	BA	453054
tert-Butanol	ETO15	10.00	6.2	15	ND	ND		12/18/20	23:35	BA	453054
Diisopropyl ether (DIPE)	ETO15	10.00	7.4	21	ND	ND		12/18/20	23:35	BA	453054
1,1-Dichloroethane	ETO15	10.00	5.4	20	ND	ND		12/18/20	23:35	BA	453054
ETBE	ETO15	10.00	3.3	21	ND	ND		12/18/20	23:35	BA	453054
cis-1,2-Dichloroethene	ETO15	10.00	8.3	20	ND	ND		12/18/20	23:35	BA	453054
Chloroform	ETO15	10.00	9.7	24	ND	ND		12/18/20	23:35	BA	453054
Vinyl Acetate	ETO15	10.00	7.6	18	ND	ND		12/18/20	23:35	BA	453054
Carbon Tetrachloride	ETO15	10.00	11	31	ND	ND		12/18/20	23:35	BA	453054
1,1,1-Trichloroethane	ETO15	10.00	7.9	27	ND	ND		12/18/20	23:35	BA	453054
2-Butanone (MEK)	ETO15	10.00	3.9	15	560	189.83		12/18/20	23:35	BA	453054
Ethyl Acetate	ETO15	10.00	4.8	18	ND	ND		12/18/20	23:35	BA	453054
Tetrahydrofuran	ETO15	10.00	4.5	15	ND	ND		12/18/20	23:35	BA	453054
Benzene	ETO15	10.00	4.4	16	ND	ND		12/18/20	23:35	BA	453054
TAME	ETO15	10.00	6.7	21	ND	ND		12/18/20	23:35	BA	453054
1,2-Dichloroethane (EDC)	ETO15	10.00	4.2	20	ND	ND		12/18/20	23:35	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV3-16	**Lab Sample ID:**	2012091-003A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:49	**Certified Clean WO # :**	
Canister/Tube ID:	A7550	**Received PSI :**	12.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	10.00	8.1	27	59	10.99		12/18/20	23:35	BA	453054
1,2-Dichloropropane	ETO15	10.00	7.6	23	ND	ND		12/18/20	23:35	BA	453054
Bromodichloromethane	ETO15	10.00	7.4	34	ND	ND		12/18/20	23:35	BA	453054
1,4-Dioxane	ETO15	10.00	18	36	ND	ND		12/18/20	23:35	BA	453054
trans-1,3-Dichloropropene	ETO15	10.00	11	23	ND	ND		12/18/20	23:35	BA	453054
Toluene	ETO15	10.00	7.5	19	37	9.81		12/18/20	23:35	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	10.00	7.5	21	85	20.73		12/18/20	23:35	BA	453054
cis-1,3-Dichloropropene	ETO15	10.00	4.2	23	ND	ND		12/18/20	23:35	BA	453054
Tetrachloroethylene	ETO15	10.00	15	34	ND	ND		12/18/20	23:35	BA	453054
1,1,2-Trichloroethane	ETO15	10.00	5.8	27	ND	ND		12/18/20	23:35	BA	453054
Dibromochloromethane	ETO15	10.00	11	43	ND	ND		12/18/20	23:35	BA	453054
1,2-Dibromoethane (EDB)	ETO15	10.00	7.4	38	ND	ND		12/18/20	23:35	BA	453054
2-Hexanone	ETO15	10.00	6.5	21	ND	ND		12/18/20	23:35	BA	453054
Ethyl Benzene	ETO15	10.00	6.3	22	46	10.60		12/18/20	23:35	BA	453054
Chlorobenzene	ETO15	10.00	6.0	23	ND	ND		12/18/20	23:35	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	10.00	8.4	34	ND	ND		12/18/20	23:35	BA	453054
m,p-Xylene	ETO15	10.00	9.8	22	200	46.08		12/18/20	23:35	BA	453054
o-Xylene	ETO15	10.00	3.0	22	63	14.52		12/18/20	23:35	BA	453054
Styrene	ETO15	10.00	4.6	21	ND	ND		12/18/20	23:35	BA	453054
Bromoform	ETO15	10.00	13	52	ND	ND		12/18/20	23:35	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	10.00	8.2	34	ND	ND		12/18/20	23:35	BA	453054
4-Ethyl Toluene	ETO15	10.00	5.5	25	ND	ND		12/18/20	23:35	BA	453054
1,3,5-Trimethylbenzene	ETO15	10.00	3.0	25	ND	ND		12/18/20	23:35	BA	453054
1,2,4-Trimethylbenzene	ETO15	10.00	6.0	25	ND	ND		12/18/20	23:35	BA	453054
1,4-Dichlorobenzene	ETO15	10.00	7.5	30	ND	ND		12/18/20	23:35	BA	453054
1,3-Dichlorobenzene	ETO15	10.00	13	30	ND	ND		12/18/20	23:35	BA	453054
1,2-Dichlorobenzene	ETO15	10.00	11	30	ND	ND		12/18/20	23:35	BA	453054
Hexachlorobutadiene	ETO15	10.00	19	53	ND	ND		12/18/20	23:35	BA	453054
1,2,4-Trichlorobenzene	ETO15	10.00	22	37	ND	ND		12/18/20	23:35	BA	453054
Naphthalene	ETO15	10.00	13	26	ND	ND		12/18/20	23:35	BA	453054
(S) 4-Bromofluorobenzene	ETO15	10.00	50	150	100 %			12/18/20	23:35	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV4-16	**Lab Sample ID:**	2012091-004A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 15:15	**Certified Clean WO # :**	
Canister/Tube ID:	6332	**Received PSI :**	10.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	30.00	47	74	ND	ND		12/18/20	19:51	BA	453054
1,1-Difluoroethane	ETO15	30.00	10	410	790000	292,592.59	E	12/18/20	19:51	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	30.00	42	100	ND	ND		12/18/20	19:51	BA	453054
Chloromethane	ETO15	30.00	61	120	ND	ND		12/18/20	19:51	BA	453054
Vinyl Chloride	ETO15	30.00	6.8	38	ND	ND		12/18/20	19:51	BA	453054
1,3-Butadiene	ETO15	30.00	10	33	ND	ND		12/18/20	19:51	BA	453054
Bromomethane	ETO15	30.00	20	58	ND	ND		12/18/20	19:51	BA	453054
Chloroethane	ETO15	30.00	24	40	ND	ND		12/18/20	19:51	BA	453054
Trichlorofluoromethane	ETO15	30.00	17	84	ND	ND		12/18/20	19:51	BA	453054
1,1-Dichloroethene	ETO15	30.00	25	60	ND	ND		12/18/20	19:51	BA	453054
Freon 113	ETO15	30.00	31	110	ND	ND		12/18/20	19:51	BA	453054
Carbon Disulfide	ETO15	30.00	11	47	ND	ND		12/18/20	19:51	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	30.00	38	370	ND	ND		12/18/20	19:51	BA	453054
Methylene Chloride	ETO15	30.00	21	310	ND	ND		12/18/20	19:51	BA	453054
Acetone	ETO15	30.00	12	360	ND	ND		12/18/20	19:51	BA	453054
trans-1,2-Dichloroethene	ETO15	30.00	14	59	ND	ND		12/18/20	19:51	BA	453054
Hexane	ETO15	30.00	14	53	ND	ND		12/18/20	19:51	BA	453054
MTBE	ETO15	30.00	13	54	ND	ND		12/18/20	19:51	BA	453054
tert-Butanol	ETO15	30.00	19	45	ND	ND		12/18/20	19:51	BA	453054
Diisopropyl ether (DIPE)	ETO15	30.00	22	63	ND	ND		12/18/20	19:51	BA	453054
1,1-Dichloroethane	ETO15	30.00	16	61	ND	ND		12/18/20	19:51	BA	453054
ETBE	ETO15	30.00	9.8	63	ND	ND		12/18/20	19:51	BA	453054
cis-1,2-Dichloroethene	ETO15	30.00	25	59	ND	ND		12/18/20	19:51	BA	453054
Chloroform	ETO15	30.00	29	73	ND	ND		12/18/20	19:51	BA	453054
Vinyl Acetate	ETO15	30.00	23	53	ND	ND		12/18/20	19:51	BA	453054
Carbon Tetrachloride	ETO15	30.00	33	94	ND	ND		12/18/20	19:51	BA	453054
1,1,1-Trichloroethane	ETO15	30.00	24	82	ND	ND		12/18/20	19:51	BA	453054
2-Butanone (MEK)	ETO15	30.00	12	44	ND	ND		12/18/20	19:51	BA	453054
Ethyl Acetate	ETO15	30.00	14	54	ND	ND		12/18/20	19:51	BA	453054
Tetrahydrofuran	ETO15	30.00	13	44	ND	ND		12/18/20	19:51	BA	453054
Benzene	ETO15	30.00	13	48	ND	ND		12/18/20	19:51	BA	453054
TAME	ETO15	30.00	20	63	ND	ND		12/18/20	19:51	BA	453054
1,2-Dichloroethane (EDC)	ETO15	30.00	13	61	ND	ND		12/18/20	19:51	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV4-16	**Lab Sample ID:**	2012091-004A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 15:15	**Certified Clean WO # :**	
Canister/Tube ID:	6332	**Received PSI :**	10.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20 2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	30.00	24	81	ND	ND		12/18/20	19:51	BA	453054
1,2-Dichloropropane	ETO15	30.00	23	69	ND	ND		12/18/20	19:51	BA	453054
Bromodichloromethane	ETO15	30.00	22	100	ND	ND		12/18/20	19:51	BA	453054
1,4-Dioxane	ETO15	30.00	54	110	ND	ND		12/18/20	19:51	BA	453054
trans-1,3-Dichloropropene	ETO15	30.00	32	68	ND	ND		12/18/20	19:51	BA	453054
Toluene	ETO15	30.00	23	57	ND	ND		12/18/20	19:51	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	30.00	22	62	ND	ND		12/18/20	19:51	BA	453054
cis-1,3-Dichloropropene	ETO15	30.00	13	68	ND	ND		12/18/20	19:51	BA	453054
Tetrachloroethylene	ETO15	30.00	44	100	ND	ND		12/18/20	19:51	BA	453054
1,1,2-Trichloroethane	ETO15	30.00	18	82	ND	ND		12/18/20	19:51	BA	453054
Dibromochloromethane	ETO15	30.00	33	130	ND	ND		12/18/20	19:51	BA	453054
1,2-Dibromoethane (EDB)	ETO15	30.00	22	120	ND	ND		12/18/20	19:51	BA	453054
2-Hexanone	ETO15	30.00	20	62	ND	ND		12/18/20	19:51	BA	453054
Ethyl Benzene	ETO15	30.00	19	65	ND	ND		12/18/20	19:51	BA	453054
Chlorobenzene	ETO15	30.00	18	69	ND	ND		12/18/20	19:51	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	19:51	BA	453054
m,p-Xylene	ETO15	30.00	29	65	ND	ND		12/18/20	19:51	BA	453054
o-Xylene	ETO15	30.00	9.1	65	ND	ND		12/18/20	19:51	BA	453054
Styrene	ETO15	30.00	14	64	ND	ND		12/18/20	19:51	BA	453054
Bromoform	ETO15	30.00	39	160	ND	ND		12/18/20	19:51	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	19:51	BA	453054
4-Ethyl Toluene	ETO15	30.00	16	74	ND	ND		12/18/20	19:51	BA	453054
1,3,5-Trimethylbenzene	ETO15	30.00	9.0	74	ND	ND		12/18/20	19:51	BA	453054
1,2,4-Trimethylbenzene	ETO15	30.00	18	74	ND	ND		12/18/20	19:51	BA	453054
1,4-Dichlorobenzene	ETO15	30.00	22	90	ND	ND		12/18/20	19:51	BA	453054
1,3-Dichlorobenzene	ETO15	30.00	40	90	ND	ND		12/18/20	19:51	BA	453054
1,2-Dichlorobenzene	ETO15	30.00	32	90	ND	ND		12/18/20	19:51	BA	453054
Hexachlorobutadiene	ETO15	30.00	56	160	ND	ND		12/18/20	19:51	BA	453054
1,2,4-Trichlorobenzene	ETO15	30.00	65	110	ND	ND		12/18/20	19:51	BA	453054
Naphthalene	ETO15	30.00	38	79	ND	ND		12/18/20	19:51	BA	453054
(S) 4-Bromofluorobenzene	ETO15	30.00	50	150	98 %			12/18/20	19:51	BA	453054

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV5-16	**Lab Sample ID:**	2012091-005A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8359	**Received PSI :**	11.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	30.00	47	74	ND	ND		12/18/20	20:16	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	30.00	42	100	ND	ND		12/18/20	20:16	BA	453054
Chloromethane	ETO15	30.00	61	120	ND	ND		12/18/20	20:16	BA	453054
Vinyl Chloride	ETO15	30.00	6.8	38	ND	ND		12/18/20	20:16	BA	453054
1,3-Butadiene	ETO15	30.00	10	33	ND	ND		12/18/20	20:16	BA	453054
Bromomethane	ETO15	30.00	20	58	ND	ND		12/18/20	20:16	BA	453054
Chloroethane	ETO15	30.00	24	40	ND	ND		12/18/20	20:16	BA	453054
Trichlorofluoromethane	ETO15	30.00	17	84	ND	ND		12/18/20	20:16	BA	453054
1,1-Dichloroethene	ETO15	30.00	25	60	ND	ND		12/18/20	20:16	BA	453054
Freon 113	ETO15	30.00	31	110	ND	ND		12/18/20	20:16	BA	453054
Carbon Disulfide	ETO15	30.00	11	47	ND	ND		12/18/20	20:16	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	30.00	38	370	ND	ND		12/18/20	20:16	BA	453054
Methylene Chloride	ETO15	30.00	21	310	ND	ND		12/18/20	20:16	BA	453054
Acetone	ETO15	30.00	12	360	ND	ND		12/18/20	20:16	BA	453054
trans-1,2-Dichloroethene	ETO15	30.00	14	59	ND	ND		12/18/20	20:16	BA	453054
Hexane	ETO15	30.00	14	53	ND	ND		12/18/20	20:16	BA	453054
MTBE	ETO15	30.00	13	54	ND	ND		12/18/20	20:16	BA	453054
tert-Butanol	ETO15	30.00	19	45	ND	ND		12/18/20	20:16	BA	453054
Diisopropyl ether (DIPE)	ETO15	30.00	22	63	ND	ND		12/18/20	20:16	BA	453054
1,1-Dichloroethane	ETO15	30.00	16	61	ND	ND		12/18/20	20:16	BA	453054
ETBE	ETO15	30.00	9.8	63	ND	ND		12/18/20	20:16	BA	453054
cis-1,2-Dichloroethene	ETO15	30.00	25	59	ND	ND		12/18/20	20:16	BA	453054
Chloroform	ETO15	30.00	29	73	ND	ND		12/18/20	20:16	BA	453054
Vinyl Acetate	ETO15	30.00	23	53	ND	ND		12/18/20	20:16	BA	453054
Carbon Tetrachloride	ETO15	30.00	33	94	ND	ND		12/18/20	20:16	BA	453054
1,1,1-Trichloroethane	ETO15	30.00	24	82	ND	ND		12/18/20	20:16	BA	453054
2-Butanone (MEK)	ETO15	30.00	12	44	780	264.41		12/18/20	20:16	BA	453054
Ethyl Acetate	ETO15	30.00	14	54	ND	ND		12/18/20	20:16	BA	453054
Tetrahydrofuran	ETO15	30.00	13	44	ND	ND		12/18/20	20:16	BA	453054
Benzene	ETO15	30.00	13	48	ND	ND		12/18/20	20:16	BA	453054
TAME	ETO15	30.00	20	63	ND	ND		12/18/20	20:16	BA	453054
1,2-Dichloroethane (EDC)	ETO15	30.00	13	61	ND	ND		12/18/20	20:16	BA	453054
Trichloroethylene	ETO15	30.00	24	81	ND	ND		12/18/20	20:16	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV5-16	**Lab Sample ID:**	2012091-005A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8359	**Received PSI :**	11.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,2-Dichloropropane	ETO15	30.00	23	69	ND	ND		12/18/20	20:16	BA	453054
Bromodichloromethane	ETO15	30.00	22	100	ND	ND		12/18/20	20:16	BA	453054
1,4-Dioxane	ETO15	30.00	54	110	ND	ND		12/18/20	20:16	BA	453054
trans-1,3-Dichloropropene	ETO15	30.00	32	68	ND	ND		12/18/20	20:16	BA	453054
Toluene	ETO15	30.00	23	57	59	15.65		12/18/20	20:16	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	30.00	22	62	78	19.02		12/18/20	20:16	BA	453054
cis-1,3-Dichloropropene	ETO15	30.00	13	68	ND	ND		12/18/20	20:16	BA	453054
Tetrachloroethylene	ETO15	30.00	44	100	ND	ND		12/18/20	20:16	BA	453054
1,1,2-Trichloroethane	ETO15	30.00	18	82	ND	ND		12/18/20	20:16	BA	453054
Dibromochloromethane	ETO15	30.00	33	130	ND	ND		12/18/20	20:16	BA	453054
1,2-Dibromoethane (EDB)	ETO15	30.00	22	120	ND	ND		12/18/20	20:16	BA	453054
2-Hexanone	ETO15	30.00	20	62	ND	ND		12/18/20	20:16	BA	453054
Ethyl Benzene	ETO15	30.00	19	65	ND	ND		12/18/20	20:16	BA	453054
Chlorobenzene	ETO15	30.00	18	69	ND	ND		12/18/20	20:16	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	20:16	BA	453054
m,p-Xylene	ETO15	30.00	29	65	73	16.82		12/18/20	20:16	BA	453054
o-Xylene	ETO15	30.00	9.1	65	ND	ND		12/18/20	20:16	BA	453054
Styrene	ETO15	30.00	14	64	ND	ND		12/18/20	20:16	BA	453054
Bromoform	ETO15	30.00	39	160	ND	ND		12/18/20	20:16	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	30.00	25	100	ND	ND		12/18/20	20:16	BA	453054
4-Ethyl Toluene	ETO15	30.00	16	74	ND	ND		12/18/20	20:16	BA	453054
1,3,5-Trimethylbenzene	ETO15	30.00	9.0	74	ND	ND		12/18/20	20:16	BA	453054
1,2,4-Trimethylbenzene	ETO15	30.00	18	74	ND	ND		12/18/20	20:16	BA	453054
1,4-Dichlorobenzene	ETO15	30.00	22	90	ND	ND		12/18/20	20:16	BA	453054
1,3-Dichlorobenzene	ETO15	30.00	40	90	ND	ND		12/18/20	20:16	BA	453054
1,2-Dichlorobenzene	ETO15	30.00	32	90	ND	ND		12/18/20	20:16	BA	453054
Hexachlorobutadiene	ETO15	30.00	56	160	ND	ND		12/18/20	20:16	BA	453054
1,2,4-Trichlorobenzene	ETO15	30.00	65	110	ND	ND		12/18/20	20:16	BA	453054
Naphthalene	ETO15	30.00	38	79	ND	ND		12/18/20	20:16	BA	453054
(S) 4-Bromofluorobenzene	ETO15	30.00	50	150	100 %			12/18/20	20:16	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV5-16	**Lab Sample ID:**	2012091-005A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8359	**Received PSI :**	11.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	140000	51,851.85	E	12/19/20	1:14	BA	453054
(S) 4-Bromofluorobenzene	ETO15	60.00	50	150	97 %			12/19/20	1:14	BA	453054

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV5-16DUP	**Lab Sample ID:**	2012091-006A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8384	**Received PSI :**	11.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/21/20	6:00:00AM
Prep Batch ID:	1128022	**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	ETO15	6.00	9.4	15	ND	ND		12/21/20	17:47	BA	453088
1,1-Difluoroethane	ETO15	6.00	2.1	81	720	266.67		12/21/20	17:47	BA	453088
1,2-Dichlorotetrafluoroethane	ETO15	6.00	8.4	21	ND	ND		12/21/20	17:47	BA	453088
Chloromethane	ETO15	6.00	12	25	ND	ND		12/21/20	17:47	BA	453088
Vinyl Chloride	ETO15	6.00	1.4	7.7	ND	ND		12/21/20	17:47	BA	453088
1,3-Butadiene	ETO15	6.00	2.0	6.6	ND	ND		12/21/20	17:47	BA	453088
Bromomethane	ETO15	6.00	3.9	12	ND	ND		12/21/20	17:47	BA	453088
Chloroethane	ETO15	6.00	4.9	7.9	ND	ND		12/21/20	17:47	BA	453088
Trichlorofluoromethane	ETO15	6.00	3.3	17	ND	ND		12/21/20	17:47	BA	453088
1,1-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/21/20	17:47	BA	453088
Freon 113	ETO15	6.00	6.1	23	ND	ND		12/21/20	17:47	BA	453088
Carbon Disulfide	ETO15	6.00	2.2	9.3	ND	ND		12/21/20	17:47	BA	453088
2-Propanol (Isopropyl Alcohol)	ETO15	6.00	7.7	74	ND	ND		12/21/20	17:47	BA	453088
Methylene Chloride	ETO15	6.00	4.2	62	ND	ND		12/21/20	17:47	BA	453088
Acetone	ETO15	6.00	2.4	71	ND	ND		12/21/20	17:47	BA	453088
trans-1,2-Dichloroethene	ETO15	6.00	2.9	12	ND	ND		12/21/20	17:47	BA	453088
Hexane	ETO15	6.00	2.8	11	56	15.91		12/21/20	17:47	BA	453088
MTBE	ETO15	6.00	2.7	11	ND	ND		12/21/20	17:47	BA	453088
tert-Butanol	ETO15	6.00	3.7	9.1	ND	ND		12/21/20	17:47	BA	453088
Diisopropyl ether (DIPE)	ETO15	6.00	4.4	13	ND	ND		12/21/20	17:47	BA	453088
1,1-Dichloroethane	ETO15	6.00	3.3	12	ND	ND		12/21/20	17:47	BA	453088
ETBE	ETO15	6.00	2.0	13	ND	ND		12/21/20	17:47	BA	453088
cis-1,2-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/21/20	17:47	BA	453088
Chloroform	ETO15	6.00	5.8	15	ND	ND		12/21/20	17:47	BA	453088
Vinyl Acetate	ETO15	6.00	4.5	11	ND	ND		12/21/20	17:47	BA	453088
Carbon Tetrachloride	ETO15	6.00	6.6	19	ND	ND		12/21/20	17:47	BA	453088
1,1,1-Trichloroethane	ETO15	6.00	4.8	16	ND	ND		12/21/20	17:47	BA	453088
2-Butanone (MEK)	ETO15	6.00	2.3	8.9	450	152.54		12/21/20	17:47	BA	453088
Ethyl Acetate	ETO15	6.00	2.9	11	ND	ND		12/21/20	17:47	BA	453088
Tetrahydrofuran	ETO15	6.00	2.7	8.9	ND	ND		12/21/20	17:47	BA	453088
Benzene	ETO15	6.00	2.6	9.6	12	3.76		12/21/20	17:47	BA	453088
TAME	ETO15	6.00	4.0	13	ND	ND		12/21/20	17:47	BA	453088
1,2-Dichloroethane (EDC)	ETO15	6.00	2.5	12	ND	ND		12/21/20	17:47	BA	453088

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV5-16DUP	**Lab Sample ID:**	2012091-006A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8384	**Received PSI :**	11.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/21/20 6:00:00AM
Prep Batch ID:	1128022	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	6.00	4.8	16	ND	ND		12/21/20	17:47	BA	453088
1,2-Dichloropropane	ETO15	6.00	4.6	14	ND	ND		12/21/20	17:47	BA	453088
Bromodichloromethane	ETO15	6.00	4.5	20	ND	ND		12/21/20	17:47	BA	453088
1,4-Dioxane	ETO15	6.00	11	22	ND	ND		12/21/20	17:47	BA	453088
trans-1,3-Dichloropropene	ETO15	6.00	6.4	14	ND	ND		12/21/20	17:47	BA	453088
Toluene	ETO15	6.00	4.5	11	33	8.75		12/21/20	17:47	BA	453088
4-Methyl-2-Pentanone (MIBK)	ETO15	6.00	4.5	12	46	11.22		12/21/20	17:47	BA	453088
cis-1,3-Dichloropropene	ETO15	6.00	2.5	14	ND	ND		12/21/20	17:47	BA	453088
Tetrachloroethylene	ETO15	6.00	8.7	20	ND	ND		12/21/20	17:47	BA	453088
1,1,2-Trichloroethane	ETO15	6.00	3.5	16	ND	ND		12/21/20	17:47	BA	453088
Dibromochloromethane	ETO15	6.00	6.7	26	ND	ND		12/21/20	17:47	BA	453088
1,2-Dibromoethane (EDB)	ETO15	6.00	4.4	23	ND	ND		12/21/20	17:47	BA	453088
2-Hexanone	ETO15	6.00	3.9	12	ND	ND		12/21/20	17:47	BA	453088
Ethyl Benzene	ETO15	6.00	3.8	13	ND	ND		12/21/20	17:47	BA	453088
Chlorobenzene	ETO15	6.00	3.6	14	ND	ND		12/21/20	17:47	BA	453088
1,1,1,2-Tetrachloroethane	ETO15	6.00	5.0	21	ND	ND		12/21/20	17:47	BA	453088
m,p-Xylene	ETO15	6.00	5.9	13	47	10.83		12/21/20	17:47	BA	453088
o-Xylene	ETO15	6.00	1.8	13	22	5.07		12/21/20	17:47	BA	453088
Styrene	ETO15	6.00	2.8	13	ND	ND		12/21/20	17:47	BA	453088
Bromoform	ETO15	6.00	7.8	31	ND	ND		12/21/20	17:47	BA	453088
1,1,2,2-Tetrachloroethane	ETO15	6.00	4.9	21	ND	ND		12/21/20	17:47	BA	453088
4-Ethyl Toluene	ETO15	6.00	3.3	15	ND	ND		12/21/20	17:47	BA	453088
1,3,5-Trimethylbenzene	ETO15	6.00	1.8	15	ND	ND		12/21/20	17:47	BA	453088
1,2,4-Trimethylbenzene	ETO15	6.00	3.6	15	ND	ND		12/21/20	17:47	BA	453088
1,4-Dichlorobenzene	ETO15	6.00	4.5	18	ND	ND		12/21/20	17:47	BA	453088
1,3-Dichlorobenzene	ETO15	6.00	8.0	18	ND	ND		12/21/20	17:47	BA	453088
1,2-Dichlorobenzene	ETO15	6.00	6.4	18	ND	ND		12/21/20	17:47	BA	453088
Hexachlorobutadiene	ETO15	6.00	11	32	ND	ND		12/21/20	17:47	BA	453088
1,2,4-Trichlorobenzene	ETO15	6.00	13	22	ND	ND		12/21/20	17:47	BA	453088
Naphthalene	ETO15	6.00	7.6	16	ND	ND		12/21/20	17:47	BA	453088
(S) 4-Bromofluorobenzene	ETO15	6.00	50	150	110 %			12/21/20	17:47	BA	453088

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV6-16	**Lab Sample ID:**	2012091-007A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 7:45	**Certified Clean WO # :**	
Canister/Tube ID:	R3571	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	1.00	1.6	2.5	ND	ND		12/19/20	0:49	BA	453054
1,1-Difluoroethane	ETO15	1.00	0.35	14	210	77.78		12/19/20	0:49	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/19/20	0:49	BA	453054
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/19/20	0:49	BA	453054
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/19/20	0:49	BA	453054
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/19/20	0:49	BA	453054
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/19/20	0:49	BA	453054
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/19/20	0:49	BA	453054
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/19/20	0:49	BA	453054
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/19/20	0:49	BA	453054
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/19/20	0:49	BA	453054
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		12/19/20	0:49	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/19/20	0:49	BA	453054
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/19/20	0:49	BA	453054
Acetone	ETO15	1.00	0.40	12	61	25.63		12/19/20	0:49	BA	453054
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/19/20	0:49	BA	453054
Hexane	ETO15	1.00	0.46	1.8	ND	ND		12/19/20	0:49	BA	453054
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/19/20	0:49	BA	453054
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/19/20	0:49	BA	453054
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/19/20	0:49	BA	453054
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/19/20	0:49	BA	453054
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/19/20	0:49	BA	453054
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/19/20	0:49	BA	453054
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		12/19/20	0:49	BA	453054
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/19/20	0:49	BA	453054
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/19/20	0:49	BA	453054
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	23	4.21		12/19/20	0:49	BA	453054
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	61	20.68		12/19/20	0:49	BA	453054
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/19/20	0:49	BA	453054
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/19/20	0:49	BA	453054
Benzene	ETO15	1.00	0.44	1.6	2.1	0.66		12/19/20	0:49	BA	453054
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/19/20	0:49	BA	453054
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/19/20	0:49	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV6-16	**Lab Sample ID:**	2012091-007A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 7:45	**Certified Clean WO # :**	
Canister/Tube ID:	R3571	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20 2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	74	13.78		12/19/20	0:49	BA	453054
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/19/20	0:49	BA	453054
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/19/20	0:49	BA	453054
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/19/20	0:49	BA	453054
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/19/20	0:49	BA	453054
Toluene	ETO15	1.00	0.75	1.9	9.0	2.39		12/19/20	0:49	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	4.9	1.20		12/19/20	0:49	BA	453054
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/19/20	0:49	BA	453054
Tetrachloroethylene	ETO15	1.00	1.5	3.4	17	2.51		12/19/20	0:49	BA	453054
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/19/20	0:49	BA	453054
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/19/20	0:49	BA	453054
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/19/20	0:49	BA	453054
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/19/20	0:49	BA	453054
Ethyl Benzene	ETO15	1.00	0.63	2.2	9.6	2.21		12/19/20	0:49	BA	453054
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/19/20	0:49	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/19/20	0:49	BA	453054
m,p-Xylene	ETO15	1.00	0.98	2.2	52	11.98		12/19/20	0:49	BA	453054
o-Xylene	ETO15	1.00	0.30	2.2	27	6.22		12/19/20	0:49	BA	453054
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/19/20	0:49	BA	453054
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/19/20	0:49	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/19/20	0:49	BA	453054
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	3.5	0.71		12/19/20	0:49	BA	453054
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/19/20	0:49	BA	453054
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	5.6	1.14		12/19/20	0:49	BA	453054
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/19/20	0:49	BA	453054
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/19/20	0:49	BA	453054
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/19/20	0:49	BA	453054
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/19/20	0:49	BA	453054
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/19/20	0:49	BA	453054
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/19/20	0:49	BA	453054
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			12/19/20	0:49	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV6-5	**Lab Sample ID:**	2012091-008A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 8:16	**Certified Clean WO # :**	
Canister/Tube ID:	8276	**Received PSI :**	13.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**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	ETO15	1.00	1.6	2.5	ND	ND		12/19/20	0:00	BA	453054
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		12/19/20	0:00	BA	453054
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/19/20	0:00	BA	453054
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/19/20	0:00	BA	453054
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/19/20	0:00	BA	453054
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/19/20	0:00	BA	453054
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/19/20	0:00	BA	453054
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/19/20	0:00	BA	453054
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/19/20	0:00	BA	453054
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/19/20	0:00	BA	453054
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/19/20	0:00	BA	453054
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		12/19/20	0:00	BA	453054
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/19/20	0:00	BA	453054
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/19/20	0:00	BA	453054
Acetone	ETO15	1.00	0.40	12	ND	ND		12/19/20	0:00	BA	453054
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/19/20	0:00	BA	453054
Hexane	ETO15	1.00	0.46	1.8	6.3	1.79		12/19/20	0:00	BA	453054
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/19/20	0:00	BA	453054
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/19/20	0:00	BA	453054
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/19/20	0:00	BA	453054
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/19/20	0:00	BA	453054
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/19/20	0:00	BA	453054
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/19/20	0:00	BA	453054
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		12/19/20	0:00	BA	453054
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/19/20	0:00	BA	453054
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/19/20	0:00	BA	453054
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		12/19/20	0:00	BA	453054
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	7.6	2.58		12/19/20	0:00	BA	453054
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/19/20	0:00	BA	453054
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/19/20	0:00	BA	453054
Benzene	ETO15	1.00	0.44	1.6	1.9	0.60		12/19/20	0:00	BA	453054
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/19/20	0:00	BA	453054
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/19/20	0:00	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV6-5	**Lab Sample ID:**	2012091-008A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 8:16	**Certified Clean WO # :**	
Canister/Tube ID:	8276	**Received PSI :**	13.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/18/20	2:00:00PM
Prep Batch ID:	1127999	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		12/19/20	0:00	BA	453054
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/19/20	0:00	BA	453054
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/19/20	0:00	BA	453054
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/19/20	0:00	BA	453054
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/19/20	0:00	BA	453054
Toluene	ETO15	1.00	0.75	1.9	4.3	1.14		12/19/20	0:00	BA	453054
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		12/19/20	0:00	BA	453054
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/19/20	0:00	BA	453054
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		12/19/20	0:00	BA	453054
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/19/20	0:00	BA	453054
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/19/20	0:00	BA	453054
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/19/20	0:00	BA	453054
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/19/20	0:00	BA	453054
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		12/19/20	0:00	BA	453054
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/19/20	0:00	BA	453054
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/19/20	0:00	BA	453054
m,p-Xylene	ETO15	1.00	0.98	2.2	3.6	0.83		12/19/20	0:00	BA	453054
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		12/19/20	0:00	BA	453054
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/19/20	0:00	BA	453054
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/19/20	0:00	BA	453054
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/19/20	0:00	BA	453054
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		12/19/20	0:00	BA	453054
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/19/20	0:00	BA	453054
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		12/19/20	0:00	BA	453054
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/19/20	0:00	BA	453054
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/19/20	0:00	BA	453054
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/19/20	0:00	BA	453054
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/19/20	0:00	BA	453054
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/19/20	0:00	BA	453054
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/19/20	0:00	BA	453054
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			12/19/20	0:00	BA	453054

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV8-16	**Lab Sample ID:**	2012091-009A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:17	**Certified Clean WO # :**	
Canister/Tube ID:	8385	**Received PSI :**	12.3
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	1.00	1.6	2.5	ND	ND		12/20/20	15:25	BA	453060
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		12/20/20	15:25	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/20/20	15:25	BA	453060
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/20/20	15:25	BA	453060
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/20/20	15:25	BA	453060
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/20/20	15:25	BA	453060
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/20/20	15:25	BA	453060
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/20/20	15:25	BA	453060
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/20/20	15:25	BA	453060
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	15:25	BA	453060
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/20/20	15:25	BA	453060
Carbon Disulfide	ETO15	1.00	0.37	1.6	10	3.22		12/20/20	15:25	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/20/20	15:25	BA	453060
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/20/20	15:25	BA	453060
Acetone	ETO15	1.00	0.40	12	92	38.66		12/20/20	15:25	BA	453060
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/20/20	15:25	BA	453060
Hexane	ETO15	1.00	0.46	1.8	ND	ND		12/20/20	15:25	BA	453060
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/20/20	15:25	BA	453060
tert-Butanol	ETO15	1.00	0.62	1.5	8.3	2.74		12/20/20	15:25	BA	453060
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/20/20	15:25	BA	453060
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/20/20	15:25	BA	453060
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/20/20	15:25	BA	453060
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	15:25	BA	453060
Chloroform	ETO15	1.00	0.97	2.4	12	2.46		12/20/20	15:25	BA	453060
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/20/20	15:25	BA	453060
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/20/20	15:25	BA	453060
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	45	8.24		12/20/20	15:25	BA	453060
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	120	40.68		12/20/20	15:25	BA	453060
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/20/20	15:25	BA	453060
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/20/20	15:25	BA	453060
Benzene	ETO15	1.00	0.44	1.6	4.4	1.38		12/20/20	15:25	BA	453060
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/20/20	15:25	BA	453060
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/20/20	15:25	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV8-16	**Lab Sample ID:**	2012091-009A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:17	**Certified Clean WO # :**	
Canister/Tube ID:	8385	**Received PSI :**	12.3
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20 9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	39	7.26		12/20/20	15:25	BA	453060
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/20/20	15:25	BA	453060
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/20/20	15:25	BA	453060
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/20/20	15:25	BA	453060
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/20/20	15:25	BA	453060
Toluene	ETO15	1.00	0.75	1.9	10	2.65		12/20/20	15:25	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	7.3	1.78		12/20/20	15:25	BA	453060
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/20/20	15:25	BA	453060
Tetrachloroethylene	ETO15	1.00	1.5	3.4	43	6.34		12/20/20	15:25	BA	453060
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/20/20	15:25	BA	453060
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/20/20	15:25	BA	453060
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/20/20	15:25	BA	453060
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/20/20	15:25	BA	453060
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		12/20/20	15:25	BA	453060
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/20/20	15:25	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/20/20	15:25	BA	453060
m,p-Xylene	ETO15	1.00	0.98	2.2	3.3	0.76		12/20/20	15:25	BA	453060
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		12/20/20	15:25	BA	453060
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/20/20	15:25	BA	453060
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/20/20	15:25	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/20/20	15:25	BA	453060
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		12/20/20	15:25	BA	453060
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/20/20	15:25	BA	453060
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		12/20/20	15:25	BA	453060
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/20/20	15:25	BA	453060
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/20/20	15:25	BA	453060
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/20/20	15:25	BA	453060
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/20/20	15:25	BA	453060
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/20/20	15:25	BA	453060
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/20/20	15:25	BA	453060
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			12/20/20	15:25	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV7-16	**Lab Sample ID:**	2012091-010A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:41	**Certified Clean WO # :**	
Canister/Tube ID:	8218	**Received PSI :**	13.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	3.00	4.7	7.4	ND	ND		12/20/20	15:50	BA	453060
1,1-Difluoroethane	ETO15	3.00	1.0	41	ND	ND		12/20/20	15:50	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	3.00	4.2	10	ND	ND		12/20/20	15:50	BA	453060
Chloromethane	ETO15	3.00	6.1	12	ND	ND		12/20/20	15:50	BA	453060
Vinyl Chloride	ETO15	3.00	0.68	3.8	ND	ND		12/20/20	15:50	BA	453060
1,3-Butadiene	ETO15	3.00	1.0	3.3	ND	ND		12/20/20	15:50	BA	453060
Bromomethane	ETO15	3.00	2.0	5.8	ND	ND		12/20/20	15:50	BA	453060
Chloroethane	ETO15	3.00	2.4	4.0	ND	ND		12/20/20	15:50	BA	453060
Trichlorofluoromethane	ETO15	3.00	1.7	8.4	ND	ND		12/20/20	15:50	BA	453060
1,1-Dichloroethene	ETO15	3.00	2.5	6.0	ND	ND		12/20/20	15:50	BA	453060
Freon 113	ETO15	3.00	3.1	11	ND	ND		12/20/20	15:50	BA	453060
Carbon Disulfide	ETO15	3.00	1.1	4.7	9.1	2.93		12/20/20	15:50	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	3.00	3.8	37	ND	ND		12/20/20	15:50	BA	453060
Methylene Chloride	ETO15	3.00	2.1	31	ND	ND		12/20/20	15:50	BA	453060
Acetone	ETO15	3.00	1.2	36	ND	ND		12/20/20	15:50	BA	453060
trans-1,2-Dichloroethene	ETO15	3.00	1.4	5.9	ND	ND		12/20/20	15:50	BA	453060
Hexane	ETO15	3.00	1.4	5.3	360	102.27		12/20/20	15:50	BA	453060
MTBE	ETO15	3.00	1.3	5.4	ND	ND		12/20/20	15:50	BA	453060
tert-Butanol	ETO15	3.00	1.9	4.5	ND	ND		12/20/20	15:50	BA	453060
Diisopropyl ether (DIPE)	ETO15	3.00	2.2	6.3	ND	ND		12/20/20	15:50	BA	453060
1,1-Dichloroethane	ETO15	3.00	1.6	6.1	ND	ND		12/20/20	15:50	BA	453060
ETBE	ETO15	3.00	0.98	6.3	ND	ND		12/20/20	15:50	BA	453060
cis-1,2-Dichloroethene	ETO15	3.00	2.5	5.9	ND	ND		12/20/20	15:50	BA	453060
Chloroform	ETO15	3.00	2.9	7.3	ND	ND		12/20/20	15:50	BA	453060
Vinyl Acetate	ETO15	3.00	2.3	5.3	ND	ND		12/20/20	15:50	BA	453060
Carbon Tetrachloride	ETO15	3.00	3.3	9.4	ND	ND		12/20/20	15:50	BA	453060
1,1,1-Trichloroethane	ETO15	3.00	2.4	8.2	ND	ND		12/20/20	15:50	BA	453060
2-Butanone (MEK)	ETO15	3.00	1.2	4.4	140	47.46		12/20/20	15:50	BA	453060
Ethyl Acetate	ETO15	3.00	1.4	5.4	ND	ND		12/20/20	15:50	BA	453060
Tetrahydrofuran	ETO15	3.00	1.3	4.4	ND	ND		12/20/20	15:50	BA	453060
Benzene	ETO15	3.00	1.3	4.8	47	14.73		12/20/20	15:50	BA	453060
TAME	ETO15	3.00	2.0	6.3	ND	ND		12/20/20	15:50	BA	453060
1,2-Dichloroethane (EDC)	ETO15	3.00	1.3	6.1	ND	ND		12/20/20	15:50	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV7-16	**Lab Sample ID:**	2012091-010A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:41	**Certified Clean WO # :**	
Canister/Tube ID:	8218	**Received PSI :**	13.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	3.00	2.4	8.1	ND	ND		12/20/20	15:50	BA	453060
1,2-Dichloropropane	ETO15	3.00	2.3	6.9	ND	ND		12/20/20	15:50	BA	453060
Bromodichloromethane	ETO15	3.00	2.2	10	ND	ND		12/20/20	15:50	BA	453060
1,4-Dioxane	ETO15	3.00	5.4	11	ND	ND		12/20/20	15:50	BA	453060
trans-1,3-Dichloropropene	ETO15	3.00	3.2	6.8	ND	ND		12/20/20	15:50	BA	453060
Toluene	ETO15	3.00	2.3	5.7	140	37.14		12/20/20	15:50	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	3.00	2.2	6.2	ND	ND		12/20/20	15:50	BA	453060
cis-1,3-Dichloropropene	ETO15	3.00	1.3	6.8	ND	ND		12/20/20	15:50	BA	453060
Tetrachloroethylene	ETO15	3.00	4.4	10	11	1.62		12/20/20	15:50	BA	453060
1,1,2-Trichloroethane	ETO15	3.00	1.8	8.2	ND	ND		12/20/20	15:50	BA	453060
Dibromochloromethane	ETO15	3.00	3.3	13	ND	ND		12/20/20	15:50	BA	453060
1,2-Dibromoethane (EDB)	ETO15	3.00	2.2	12	ND	ND		12/20/20	15:50	BA	453060
2-Hexanone	ETO15	3.00	2.0	6.2	ND	ND		12/20/20	15:50	BA	453060
Ethyl Benzene	ETO15	3.00	1.9	6.5	120	27.65		12/20/20	15:50	BA	453060
Chlorobenzene	ETO15	3.00	1.8	6.9	ND	ND		12/20/20	15:50	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	3.00	2.5	10	ND	ND		12/20/20	15:50	BA	453060
m,p-Xylene	ETO15	3.00	2.9	6.5	580	133.64		12/20/20	15:50	BA	453060
o-Xylene	ETO15	3.00	0.91	6.5	230	53.00		12/20/20	15:50	BA	453060
Styrene	ETO15	3.00	1.4	6.4	ND	ND		12/20/20	15:50	BA	453060
Bromoform	ETO15	3.00	3.9	16	ND	ND		12/20/20	15:50	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	3.00	2.5	10	ND	ND		12/20/20	15:50	BA	453060
4-Ethyl Toluene	ETO15	3.00	1.6	7.4	12	2.44		12/20/20	15:50	BA	453060
1,3,5-Trimethylbenzene	ETO15	3.00	0.90	7.4	ND	ND		12/20/20	15:50	BA	453060
1,2,4-Trimethylbenzene	ETO15	3.00	1.8	7.4	ND	ND		12/20/20	15:50	BA	453060
1,4-Dichlorobenzene	ETO15	3.00	2.2	9.0	ND	ND		12/20/20	15:50	BA	453060
1,3-Dichlorobenzene	ETO15	3.00	4.0	9.0	ND	ND		12/20/20	15:50	BA	453060
1,2-Dichlorobenzene	ETO15	3.00	3.2	9.0	ND	ND		12/20/20	15:50	BA	453060
Hexachlorobutadiene	ETO15	3.00	5.6	16	ND	ND		12/20/20	15:50	BA	453060
1,2,4-Trichlorobenzene	ETO15	3.00	6.5	11	ND	ND		12/20/20	15:50	BA	453060
Naphthalene	ETO15	3.00	3.8	7.9	ND	ND		12/20/20	15:50	BA	453060
(S) 4-Bromofluorobenzene	ETO15	3.00	50	150	100 %			12/20/20	15:50	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV9-13	**Lab Sample ID:**	2012091-011A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:31	**Certified Clean WO # :**	
Canister/Tube ID:	R3518	**Received PSI :**	13.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	1.00	1.6	2.5	ND	ND		12/20/20	16:15	BA	453060
1,1-Difluoroethane	ETO15	1.00	0.35	14	57	21.11		12/20/20	16:15	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/20/20	16:15	BA	453060
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/20/20	16:15	BA	453060
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/20/20	16:15	BA	453060
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/20/20	16:15	BA	453060
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/20/20	16:15	BA	453060
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/20/20	16:15	BA	453060
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/20/20	16:15	BA	453060
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	16:15	BA	453060
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/20/20	16:15	BA	453060
Carbon Disulfide	ETO15	1.00	0.37	1.6	11	3.54		12/20/20	16:15	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/20/20	16:15	BA	453060
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/20/20	16:15	BA	453060
Acetone	ETO15	1.00	0.40	12	ND	ND		12/20/20	16:15	BA	453060
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/20/20	16:15	BA	453060
Hexane	ETO15	1.00	0.46	1.8	58	16.48		12/20/20	16:15	BA	453060
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/20/20	16:15	BA	453060
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/20/20	16:15	BA	453060
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/20/20	16:15	BA	453060
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/20/20	16:15	BA	453060
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/20/20	16:15	BA	453060
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	16:15	BA	453060
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		12/20/20	16:15	BA	453060
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/20/20	16:15	BA	453060
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/20/20	16:15	BA	453060
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		12/20/20	16:15	BA	453060
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	ND	ND		12/20/20	16:15	BA	453060
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/20/20	16:15	BA	453060
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/20/20	16:15	BA	453060
Benzene	ETO15	1.00	0.44	1.6	15	4.70		12/20/20	16:15	BA	453060
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/20/20	16:15	BA	453060
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/20/20	16:15	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV9-13	**Lab Sample ID:**	2012091-011A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:31	**Certified Clean WO # :**	
Canister/Tube ID:	R3518	**Received PSI :**	13.5
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20 9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	2.7	0.50		12/20/20	16:15	BA	453060
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/20/20	16:15	BA	453060
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/20/20	16:15	BA	453060
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/20/20	16:15	BA	453060
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/20/20	16:15	BA	453060
Toluene	ETO15	1.00	0.75	1.9	97	25.73		12/20/20	16:15	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	27	6.59		12/20/20	16:15	BA	453060
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/20/20	16:15	BA	453060
Tetrachloroethylene	ETO15	1.00	1.5	3.4	4.5	0.66		12/20/20	16:15	BA	453060
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/20/20	16:15	BA	453060
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/20/20	16:15	BA	453060
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/20/20	16:15	BA	453060
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/20/20	16:15	BA	453060
Ethyl Benzene	ETO15	1.00	0.63	2.2	13	3.00		12/20/20	16:15	BA	453060
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/20/20	16:15	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/20/20	16:15	BA	453060
m,p-Xylene	ETO15	1.00	0.98	2.2	33	7.60		12/20/20	16:15	BA	453060
o-Xylene	ETO15	1.00	0.30	2.2	11	2.53		12/20/20	16:15	BA	453060
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/20/20	16:15	BA	453060
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/20/20	16:15	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/20/20	16:15	BA	453060
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	6.5	1.32		12/20/20	16:15	BA	453060
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/20/20	16:15	BA	453060
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	5.6	1.14		12/20/20	16:15	BA	453060
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/20/20	16:15	BA	453060
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/20/20	16:15	BA	453060
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/20/20	16:15	BA	453060
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/20/20	16:15	BA	453060
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/20/20	16:15	BA	453060
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/20/20	16:15	BA	453060
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			12/20/20	16:15	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV10-16	**Lab Sample ID:**	2012091-012A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:52	**Certified Clean WO # :**	
Canister/Tube ID:	8244	**Received PSI :**	13.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	6.00	9.4	15	ND	ND		12/20/20	16:39	BA	453060
1,1-Difluoroethane	ETO15	6.00	2.1	81	ND	ND		12/20/20	16:39	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	6.00	8.4	21	ND	ND		12/20/20	16:39	BA	453060
Chloromethane	ETO15	6.00	12	25	ND	ND		12/20/20	16:39	BA	453060
Vinyl Chloride	ETO15	6.00	1.4	7.7	ND	ND		12/20/20	16:39	BA	453060
1,3-Butadiene	ETO15	6.00	2.0	6.6	ND	ND		12/20/20	16:39	BA	453060
Bromomethane	ETO15	6.00	3.9	12	ND	ND		12/20/20	16:39	BA	453060
Chloroethane	ETO15	6.00	4.9	7.9	ND	ND		12/20/20	16:39	BA	453060
Trichlorofluoromethane	ETO15	6.00	3.3	17	ND	ND		12/20/20	16:39	BA	453060
1,1-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/20/20	16:39	BA	453060
Freon 113	ETO15	6.00	6.1	23	ND	ND		12/20/20	16:39	BA	453060
Carbon Disulfide	ETO15	6.00	2.2	9.3	ND	ND		12/20/20	16:39	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	6.00	7.7	74	ND	ND		12/20/20	16:39	BA	453060
Methylene Chloride	ETO15	6.00	4.2	62	ND	ND		12/20/20	16:39	BA	453060
Acetone	ETO15	6.00	2.4	71	ND	ND		12/20/20	16:39	BA	453060
trans-1,2-Dichloroethene	ETO15	6.00	2.9	12	ND	ND		12/20/20	16:39	BA	453060
Hexane	ETO15	6.00	2.8	11	72	20.45		12/20/20	16:39	BA	453060
MTBE	ETO15	6.00	2.7	11	ND	ND		12/20/20	16:39	BA	453060
tert-Butanol	ETO15	6.00	3.7	9.1	ND	ND		12/20/20	16:39	BA	453060
Diisopropyl ether (DIPE)	ETO15	6.00	4.4	13	ND	ND		12/20/20	16:39	BA	453060
1,1-Dichloroethane	ETO15	6.00	3.3	12	ND	ND		12/20/20	16:39	BA	453060
ETBE	ETO15	6.00	2.0	13	ND	ND		12/20/20	16:39	BA	453060
cis-1,2-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/20/20	16:39	BA	453060
Chloroform	ETO15	6.00	5.8	15	ND	ND		12/20/20	16:39	BA	453060
Vinyl Acetate	ETO15	6.00	4.5	11	ND	ND		12/20/20	16:39	BA	453060
Carbon Tetrachloride	ETO15	6.00	6.6	19	ND	ND		12/20/20	16:39	BA	453060
1,1,1-Trichloroethane	ETO15	6.00	4.8	16	ND	ND		12/20/20	16:39	BA	453060
2-Butanone (MEK)	ETO15	6.00	2.3	8.9	97	32.88		12/20/20	16:39	BA	453060
Ethyl Acetate	ETO15	6.00	2.9	11	ND	ND		12/20/20	16:39	BA	453060
Tetrahydrofuran	ETO15	6.00	2.7	8.9	ND	ND		12/20/20	16:39	BA	453060
Benzene	ETO15	6.00	2.6	9.6	33	10.34		12/20/20	16:39	BA	453060
TAME	ETO15	6.00	4.0	13	ND	ND		12/20/20	16:39	BA	453060
1,2-Dichloroethane (EDC)	ETO15	6.00	2.5	12	ND	ND		12/20/20	16:39	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV10-16	**Lab Sample ID:**	2012091-012A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:52	**Certified Clean WO # :**	
Canister/Tube ID:	8244	**Received PSI :**	13.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20 9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	6.00	4.8	16	ND	ND		12/20/20	16:39	BA	453060
1,2-Dichloropropane	ETO15	6.00	4.6	14	ND	ND		12/20/20	16:39	BA	453060
Bromodichloromethane	ETO15	6.00	4.5	20	ND	ND		12/20/20	16:39	BA	453060
1,4-Dioxane	ETO15	6.00	11	22	ND	ND		12/20/20	16:39	BA	453060
trans-1,3-Dichloropropene	ETO15	6.00	6.4	14	ND	ND		12/20/20	16:39	BA	453060
Toluene	ETO15	6.00	4.5	11	260	68.97		12/20/20	16:39	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	6.00	4.5	12	24	5.85		12/20/20	16:39	BA	453060
cis-1,3-Dichloropropene	ETO15	6.00	2.5	14	ND	ND		12/20/20	16:39	BA	453060
Tetrachloroethylene	ETO15	6.00	8.7	20	ND	ND		12/20/20	16:39	BA	453060
1,1,2-Trichloroethane	ETO15	6.00	3.5	16	ND	ND		12/20/20	16:39	BA	453060
Dibromochloromethane	ETO15	6.00	6.7	26	ND	ND		12/20/20	16:39	BA	453060
1,2-Dibromoethane (EDB)	ETO15	6.00	4.4	23	ND	ND		12/20/20	16:39	BA	453060
2-Hexanone	ETO15	6.00	3.9	12	ND	ND		12/20/20	16:39	BA	453060
Ethyl Benzene	ETO15	6.00	3.8	13	54	12.44		12/20/20	16:39	BA	453060
Chlorobenzene	ETO15	6.00	3.6	14	ND	ND		12/20/20	16:39	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	6.00	5.0	21	ND	ND		12/20/20	16:39	BA	453060
m,p-Xylene	ETO15	6.00	5.9	13	170	39.17		12/20/20	16:39	BA	453060
o-Xylene	ETO15	6.00	1.8	13	56	12.90		12/20/20	16:39	BA	453060
Styrene	ETO15	6.00	2.8	13	ND	ND		12/20/20	16:39	BA	453060
Bromoform	ETO15	6.00	7.8	31	ND	ND		12/20/20	16:39	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	6.00	4.9	21	ND	ND		12/20/20	16:39	BA	453060
4-Ethyl Toluene	ETO15	6.00	3.3	15	36	7.32		12/20/20	16:39	BA	453060
1,3,5-Trimethylbenzene	ETO15	6.00	1.8	15	ND	ND		12/20/20	16:39	BA	453060
1,2,4-Trimethylbenzene	ETO15	6.00	3.6	15	24	4.88		12/20/20	16:39	BA	453060
1,4-Dichlorobenzene	ETO15	6.00	4.5	18	ND	ND		12/20/20	16:39	BA	453060
1,3-Dichlorobenzene	ETO15	6.00	8.0	18	ND	ND		12/20/20	16:39	BA	453060
1,2-Dichlorobenzene	ETO15	6.00	6.4	18	ND	ND		12/20/20	16:39	BA	453060
Hexachlorobutadiene	ETO15	6.00	11	32	ND	ND		12/20/20	16:39	BA	453060
1,2,4-Trichlorobenzene	ETO15	6.00	13	22	ND	ND		12/20/20	16:39	BA	453060
Naphthalene	ETO15	6.00	7.6	16	ND	ND		12/20/20	16:39	BA	453060
(S) 4-Bromofluorobenzene	ETO15	6.00	50	150	100 %			12/20/20	16:39	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV11-18	**Lab Sample ID:**	2012091-013A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 15:37	**Certified Clean WO # :**	
Canister/Tube ID:	8353	**Received PSI :**	13.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	15.00	24	37	ND	ND		12/20/20	17:04	BA	453060
1,1-Difluoroethane	ETO15	15.00	5.2	200	ND	ND		12/20/20	17:04	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	15.00	21	52	ND	ND		12/20/20	17:04	BA	453060
Chloromethane	ETO15	15.00	31	62	ND	ND		12/20/20	17:04	BA	453060
Vinyl Chloride	ETO15	15.00	3.4	19	ND	ND		12/20/20	17:04	BA	453060
1,3-Butadiene	ETO15	15.00	5.1	17	ND	ND		12/20/20	17:04	BA	453060
Bromomethane	ETO15	15.00	9.8	29	ND	ND		12/20/20	17:04	BA	453060
Chloroethane	ETO15	15.00	12	20	ND	ND		12/20/20	17:04	BA	453060
Trichlorofluoromethane	ETO15	15.00	8.3	42	ND	ND		12/20/20	17:04	BA	453060
1,1-Dichloroethene	ETO15	15.00	12	30	ND	ND		12/20/20	17:04	BA	453060
Freon 113	ETO15	15.00	15	57	ND	ND		12/20/20	17:04	BA	453060
Carbon Disulfide	ETO15	15.00	5.6	23	ND	ND		12/20/20	17:04	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	15.00	19	180	ND	ND		12/20/20	17:04	BA	453060
Methylene Chloride	ETO15	15.00	11	160	ND	ND		12/20/20	17:04	BA	453060
Acetone	ETO15	15.00	5.9	180	1000	420.17		12/20/20	17:04	BA	453060
trans-1,2-Dichloroethene	ETO15	15.00	7.1	30	ND	ND		12/20/20	17:04	BA	453060
Hexane	ETO15	15.00	7.0	26	32	9.09		12/20/20	17:04	BA	453060
MTBE	ETO15	15.00	6.7	27	ND	ND		12/20/20	17:04	BA	453060
tert-Butanol	ETO15	15.00	9.3	23	ND	ND		12/20/20	17:04	BA	453060
Diisopropyl ether (DIPE)	ETO15	15.00	11	31	ND	ND		12/20/20	17:04	BA	453060
1,1-Dichloroethane	ETO15	15.00	8.1	30	ND	ND		12/20/20	17:04	BA	453060
ETBE	ETO15	15.00	4.9	31	ND	ND		12/20/20	17:04	BA	453060
cis-1,2-Dichloroethene	ETO15	15.00	12	30	ND	ND		12/20/20	17:04	BA	453060
Chloroform	ETO15	15.00	14	37	ND	ND		12/20/20	17:04	BA	453060
Vinyl Acetate	ETO15	15.00	11	26	ND	ND		12/20/20	17:04	BA	453060
Carbon Tetrachloride	ETO15	15.00	17	47	ND	ND		12/20/20	17:04	BA	453060
1,1,1-Trichloroethane	ETO15	15.00	12	41	ND	ND		12/20/20	17:04	BA	453060
2-Butanone (MEK)	ETO15	15.00	5.8	22	780	264.41		12/20/20	17:04	BA	453060
Ethyl Acetate	ETO15	15.00	7.1	27	ND	ND		12/20/20	17:04	BA	453060
Tetrahydrofuran	ETO15	15.00	6.7	22	ND	ND		12/20/20	17:04	BA	453060
Benzene	ETO15	15.00	6.6	24	42	13.17		12/20/20	17:04	BA	453060
TAME	ETO15	15.00	10	31	ND	ND		12/20/20	17:04	BA	453060
1,2-Dichloroethane (EDC)	ETO15	15.00	6.3	30	ND	ND		12/20/20	17:04	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV11-18	**Lab Sample ID:**	2012091-013A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 15:37	**Certified Clean WO # :**	
Canister/Tube ID:	8353	**Received PSI :**	13.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	15.00	12	40	ND	ND		12/20/20	17:04	BA	453060
1,2-Dichloropropane	ETO15	15.00	11	35	ND	ND		12/20/20	17:04	BA	453060
Bromodichloromethane	ETO15	15.00	11	50	ND	ND		12/20/20	17:04	BA	453060
1,4-Dioxane	ETO15	15.00	27	54	ND	ND		12/20/20	17:04	BA	453060
trans-1,3-Dichloropropene	ETO15	15.00	16	34	ND	ND		12/20/20	17:04	BA	453060
Toluene	ETO15	15.00	11	28	490	129.97		12/20/20	17:04	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	15.00	11	31	ND	ND		12/20/20	17:04	BA	453060
cis-1,3-Dichloropropene	ETO15	15.00	6.3	34	ND	ND		12/20/20	17:04	BA	453060
Tetrachloroethylene	ETO15	15.00	22	51	ND	ND		12/20/20	17:04	BA	453060
1,1,2-Trichloroethane	ETO15	15.00	8.8	41	ND	ND		12/20/20	17:04	BA	453060
Dibromochloromethane	ETO15	15.00	17	64	ND	ND		12/20/20	17:04	BA	453060
1,2-Dibromoethane (EDB)	ETO15	15.00	11	58	ND	ND		12/20/20	17:04	BA	453060
2-Hexanone	ETO15	15.00	9.8	31	ND	ND		12/20/20	17:04	BA	453060
Ethyl Benzene	ETO15	15.00	9.4	33	240	55.30		12/20/20	17:04	BA	453060
Chlorobenzene	ETO15	15.00	9.0	35	ND	ND		12/20/20	17:04	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	15.00	13	52	ND	ND		12/20/20	17:04	BA	453060
m,p-Xylene	ETO15	15.00	15	33	1000	230.41		12/20/20	17:04	BA	453060
o-Xylene	ETO15	15.00	4.6	33	370	85.25		12/20/20	17:04	BA	453060
Styrene	ETO15	15.00	7.0	32	ND	ND		12/20/20	17:04	BA	453060
Bromoform	ETO15	15.00	20	78	ND	ND		12/20/20	17:04	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	15.00	12	52	ND	ND		12/20/20	17:04	BA	453060
4-Ethyl Toluene	ETO15	15.00	8.2	37	370	75.20		12/20/20	17:04	BA	453060
1,3,5-Trimethylbenzene	ETO15	15.00	4.5	37	84	17.07		12/20/20	17:04	BA	453060
1,2,4-Trimethylbenzene	ETO15	15.00	8.9	37	300	60.98		12/20/20	17:04	BA	453060
1,4-Dichlorobenzene	ETO15	15.00	11	45	ND	ND		12/20/20	17:04	BA	453060
1,3-Dichlorobenzene	ETO15	15.00	20	45	ND	ND		12/20/20	17:04	BA	453060
1,2-Dichlorobenzene	ETO15	15.00	16	45	ND	ND		12/20/20	17:04	BA	453060
Hexachlorobutadiene	ETO15	15.00	28	80	ND	ND		12/20/20	17:04	BA	453060
1,2,4-Trichlorobenzene	ETO15	15.00	32	56	ND	ND		12/20/20	17:04	BA	453060
Naphthalene	ETO15	15.00	19	39	ND	ND		12/20/20	17:04	BA	453060
(S) 4-Bromofluorobenzene	ETO15	15.00	50	150	110 %			12/20/20	17:04	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV12-18	**Lab Sample ID:**	2012091-014A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:10	**Certified Clean WO # :**	
Canister/Tube ID:	8264	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	6.00	9.4	15	ND	ND		12/20/20	17:28	BA	453060
1,1-Difluoroethane	ETO15	6.00	2.1	81	ND	ND		12/20/20	17:28	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	6.00	8.4	21	ND	ND		12/20/20	17:28	BA	453060
Chloromethane	ETO15	6.00	12	25	ND	ND		12/20/20	17:28	BA	453060
Vinyl Chloride	ETO15	6.00	1.4	7.7	ND	ND		12/20/20	17:28	BA	453060
1,3-Butadiene	ETO15	6.00	2.0	6.6	ND	ND		12/20/20	17:28	BA	453060
Bromomethane	ETO15	6.00	3.9	12	ND	ND		12/20/20	17:28	BA	453060
Chloroethane	ETO15	6.00	4.9	7.9	ND	ND		12/20/20	17:28	BA	453060
Trichlorofluoromethane	ETO15	6.00	3.3	17	ND	ND		12/20/20	17:28	BA	453060
1,1-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/20/20	17:28	BA	453060
Freon 113	ETO15	6.00	6.1	23	ND	ND		12/20/20	17:28	BA	453060
Carbon Disulfide	ETO15	6.00	2.2	9.3	10	3.22		12/20/20	17:28	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	6.00	7.7	74	ND	ND		12/20/20	17:28	BA	453060
Methylene Chloride	ETO15	6.00	4.2	62	ND	ND		12/20/20	17:28	BA	453060
Acetone	ETO15	6.00	2.4	71	130	54.62		12/20/20	17:28	BA	453060
trans-1,2-Dichloroethene	ETO15	6.00	2.9	12	ND	ND		12/20/20	17:28	BA	453060
Hexane	ETO15	6.00	2.8	11	21	5.97		12/20/20	17:28	BA	453060
MTBE	ETO15	6.00	2.7	11	ND	ND		12/20/20	17:28	BA	453060
tert-Butanol	ETO15	6.00	3.7	9.1	ND	ND		12/20/20	17:28	BA	453060
Diisopropyl ether (DIPE)	ETO15	6.00	4.4	13	ND	ND		12/20/20	17:28	BA	453060
1,1-Dichloroethane	ETO15	6.00	3.3	12	ND	ND		12/20/20	17:28	BA	453060
ETBE	ETO15	6.00	2.0	13	ND	ND		12/20/20	17:28	BA	453060
cis-1,2-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		12/20/20	17:28	BA	453060
Chloroform	ETO15	6.00	5.8	15	ND	ND		12/20/20	17:28	BA	453060
Vinyl Acetate	ETO15	6.00	4.5	11	ND	ND		12/20/20	17:28	BA	453060
Carbon Tetrachloride	ETO15	6.00	6.6	19	ND	ND		12/20/20	17:28	BA	453060
1,1,1-Trichloroethane	ETO15	6.00	4.8	16	ND	ND		12/20/20	17:28	BA	453060
2-Butanone (MEK)	ETO15	6.00	2.3	8.9	19	6.44		12/20/20	17:28	BA	453060
Ethyl Acetate	ETO15	6.00	2.9	11	ND	ND		12/20/20	17:28	BA	453060
Tetrahydrofuran	ETO15	6.00	2.7	8.9	ND	ND		12/20/20	17:28	BA	453060
Benzene	ETO15	6.00	2.6	9.6	18	5.64		12/20/20	17:28	BA	453060
TAME	ETO15	6.00	4.0	13	ND	ND		12/20/20	17:28	BA	453060
1,2-Dichloroethane (EDC)	ETO15	6.00	2.5	12	ND	ND		12/20/20	17:28	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV12-18	**Lab Sample ID:**	2012091-014A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:10	**Certified Clean WO # :**	
Canister/Tube ID:	8264	**Received PSI :**	12.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	6.00	4.8	16	490	91.25		12/20/20	17:28	BA	453060
1,2-Dichloropropane	ETO15	6.00	4.6	14	ND	ND		12/20/20	17:28	BA	453060
Bromodichloromethane	ETO15	6.00	4.5	20	ND	ND		12/20/20	17:28	BA	453060
1,4-Dioxane	ETO15	6.00	11	22	ND	ND		12/20/20	17:28	BA	453060
trans-1,3-Dichloropropene	ETO15	6.00	6.4	14	ND	ND		12/20/20	17:28	BA	453060
Toluene	ETO15	6.00	4.5	11	26	6.90		12/20/20	17:28	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	6.00	4.5	12	ND	ND		12/20/20	17:28	BA	453060
cis-1,3-Dichloropropene	ETO15	6.00	2.5	14	ND	ND		12/20/20	17:28	BA	453060
Tetrachloroethylene	ETO15	6.00	8.7	20	ND	ND		12/20/20	17:28	BA	453060
1,1,2-Trichloroethane	ETO15	6.00	3.5	16	ND	ND		12/20/20	17:28	BA	453060
Dibromochloromethane	ETO15	6.00	6.7	26	ND	ND		12/20/20	17:28	BA	453060
1,2-Dibromoethane (EDB)	ETO15	6.00	4.4	23	ND	ND		12/20/20	17:28	BA	453060
2-Hexanone	ETO15	6.00	3.9	12	ND	ND		12/20/20	17:28	BA	453060
Ethyl Benzene	ETO15	6.00	3.8	13	38	8.76		12/20/20	17:28	BA	453060
Chlorobenzene	ETO15	6.00	3.6	14	ND	ND		12/20/20	17:28	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	6.00	5.0	21	ND	ND		12/20/20	17:28	BA	453060
m,p-Xylene	ETO15	6.00	5.9	13	200	46.08		12/20/20	17:28	BA	453060
o-Xylene	ETO15	6.00	1.8	13	82	18.89		12/20/20	17:28	BA	453060
Styrene	ETO15	6.00	2.8	13	ND	ND		12/20/20	17:28	BA	453060
Bromoform	ETO15	6.00	7.8	31	ND	ND		12/20/20	17:28	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	6.00	4.9	21	ND	ND		12/20/20	17:28	BA	453060
4-Ethyl Toluene	ETO15	6.00	3.3	15	ND	ND		12/20/20	17:28	BA	453060
1,3,5-Trimethylbenzene	ETO15	6.00	1.8	15	ND	ND		12/20/20	17:28	BA	453060
1,2,4-Trimethylbenzene	ETO15	6.00	3.6	15	ND	ND		12/20/20	17:28	BA	453060
1,4-Dichlorobenzene	ETO15	6.00	4.5	18	ND	ND		12/20/20	17:28	BA	453060
1,3-Dichlorobenzene	ETO15	6.00	8.0	18	ND	ND		12/20/20	17:28	BA	453060
1,2-Dichlorobenzene	ETO15	6.00	6.4	18	ND	ND		12/20/20	17:28	BA	453060
Hexachlorobutadiene	ETO15	6.00	11	32	ND	ND		12/20/20	17:28	BA	453060
1,2,4-Trichlorobenzene	ETO15	6.00	13	22	ND	ND		12/20/20	17:28	BA	453060
Naphthalene	ETO15	6.00	7.6	16	ND	ND		12/20/20	17:28	BA	453060
(S) 4-Bromofluorobenzene	ETO15	6.00	50	150	100 %			12/20/20	17:28	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV12-5	**Lab Sample ID:**	2012091-015A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:25	**Certified Clean WO # :**	
Canister/Tube ID:	6108	**Received PSI :**	13.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**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	ETO15	1.00	1.6	2.5	2.7	0.55		12/20/20	20:49	BA	453060
1,1-Difluoroethane	ETO15	1.00	0.35	14	540	200.00		12/20/20	20:49	BA	453060
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		12/20/20	20:49	BA	453060
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		12/20/20	20:49	BA	453060
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		12/20/20	20:49	BA	453060
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		12/20/20	20:49	BA	453060
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		12/20/20	20:49	BA	453060
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		12/20/20	20:49	BA	453060
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		12/20/20	20:49	BA	453060
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	20:49	BA	453060
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		12/20/20	20:49	BA	453060
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		12/20/20	20:49	BA	453060
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		12/20/20	20:49	BA	453060
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		12/20/20	20:49	BA	453060
Acetone	ETO15	1.00	0.40	12	14	5.88		12/20/20	20:49	BA	453060
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		12/20/20	20:49	BA	453060
Hexane	ETO15	1.00	0.46	1.8	ND	ND		12/20/20	20:49	BA	453060
MTBE	ETO15	1.00	0.44	1.8	ND	ND		12/20/20	20:49	BA	453060
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		12/20/20	20:49	BA	453060
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		12/20/20	20:49	BA	453060
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		12/20/20	20:49	BA	453060
ETBE	ETO15	1.00	0.33	2.1	ND	ND		12/20/20	20:49	BA	453060
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		12/20/20	20:49	BA	453060
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		12/20/20	20:49	BA	453060
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		12/20/20	20:49	BA	453060
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		12/20/20	20:49	BA	453060
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		12/20/20	20:49	BA	453060
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	ND	ND		12/20/20	20:49	BA	453060
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		12/20/20	20:49	BA	453060
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		12/20/20	20:49	BA	453060
Benzene	ETO15	1.00	0.44	1.6	ND	ND		12/20/20	20:49	BA	453060
TAME	ETO15	1.00	0.67	2.1	ND	ND		12/20/20	20:49	BA	453060
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		12/20/20	20:49	BA	453060

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/21/20

Client Sample ID:	SV12-5	**Lab Sample ID:**	2012091-015A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Soil Vapor
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:25	**Certified Clean WO # :**	
Canister/Tube ID:	6108	**Received PSI :**	13.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/19/20	9:00:00PM
Prep Batch ID:	1128008	**Prep Analyst:**	BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Trichloroethylene	ETO15	1.00	0.81	2.7	89	16.57		12/20/20	20:49	BA	453060
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		12/20/20	20:49	BA	453060
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		12/20/20	20:49	BA	453060
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		12/20/20	20:49	BA	453060
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		12/20/20	20:49	BA	453060
Toluene	ETO15	1.00	0.75	1.9	4.1	1.09		12/20/20	20:49	BA	453060
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		12/20/20	20:49	BA	453060
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		12/20/20	20:49	BA	453060
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		12/20/20	20:49	BA	453060
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		12/20/20	20:49	BA	453060
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		12/20/20	20:49	BA	453060
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		12/20/20	20:49	BA	453060
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		12/20/20	20:49	BA	453060
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		12/20/20	20:49	BA	453060
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		12/20/20	20:49	BA	453060
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		12/20/20	20:49	BA	453060
m,p-Xylene	ETO15	1.00	0.98	2.2	4.7	1.08		12/20/20	20:49	BA	453060
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		12/20/20	20:49	BA	453060
Styrene	ETO15	1.00	0.46	2.1	ND	ND		12/20/20	20:49	BA	453060
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		12/20/20	20:49	BA	453060
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		12/20/20	20:49	BA	453060
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		12/20/20	20:49	BA	453060
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		12/20/20	20:49	BA	453060
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		12/20/20	20:49	BA	453060
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		12/20/20	20:49	BA	453060
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		12/20/20	20:49	BA	453060
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		12/20/20	20:49	BA	453060
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		12/20/20	20:49	BA	453060
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		12/20/20	20:49	BA	453060
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		12/20/20	20:49	BA	453060
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	98 %			12/20/20	20:49	BA	453060

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/18/20	**Prep Batch:**	1127999
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/18/2020	**Analytical Batch:**	453054
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	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
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	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/18/20	**Prep Batch:**	1127999
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/18/2020	**Analytical Batch:**	453054
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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	ND	
(S) 4-Bromofluorobenzene			95	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/19/20	**Prep Batch:**	1128008
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/20/2020	**Analytical Batch:**	453060
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	0.30	
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	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
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	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/19/20	**Prep Batch:**	1128008
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/20/2020	**Analytical Batch:**	453060
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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	0.14	
(S) 4-Bromofluorobenzene			99	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/21/20	**Prep Batch:**	1128022
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/21/2020	**Analytical Batch:**	453088
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	0.13	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
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	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/21/20	**Prep Batch:**	1128022
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/21/2020	**Analytical Batch:**	453088
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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	ND		
(S) 4-Bromofluorobenzene			100		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/18/20	**Prep Batch:**	1127999
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/18/2020	**Analytical Batch:**	453054
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	98.7	99.3	0.758	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	85.5	86.6	1.31	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	92.9	93.4	0.537	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	88.2	89.8	1.97	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	87.7	87.4	0.428	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	97.7	98.7		50 - 150		

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/19/20	**Prep Batch:**	1128008
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/20/2020	**Analytical Batch:**	453060
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	110	107	2.42	65 - 135	30	
Benzene	0.14	0.50	0.30	8.00	91.4	90.6	0.962	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	99.4	99.3	0.252	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	93.0	94.8	1.86	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	90.2	92.1	2.06	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	96.2	97.1		50 - 150		

Work Order:	2012091	**Prep Method:**	TO15-P	**Prep Date:**	12/21/20	**Prep Batch:**	1128022
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/21/2020	**Analytical Batch:**	453088
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	116	116	0.108	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	96.0	90.5	5.90	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	101	97.6	3.15	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	96.0	95.1	0.916	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	92.3	93.6	1.21	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	97.1	100		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: PES Environmental, Inc

Project Name: El Camino Center

Work Order No.: 2012091

Date and Time Received: 12/11/2020 5:35:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

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:

Summa canisters received at ambient temperature.

Login Summary Report

Client ID: TL5146 PES Environmental, Inc
Project Name: El Camino Center
Project # : 126-076-01
Report Due Date: 12/18/2020

QC Level: II
TAT Requested: 5+ day:5
Date Received: 12/11/2020
Time Received: 5:35 pm

Comments:

Work Order # : ***2012091***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2012091-001A	SV1-16	12/10/20 13:38	Air				VOC_A_TO15	
Sample Note:	TO15-1,1 DFA=leak check compound							
2012091-002A	SV2-16	12/10/20 14:14	Air				VOC_A_TO15	
2012091-003A	SV3-16	12/10/20 14:49	Air				VOC_A_TO15	
2012091-004A	SV4-16	12/10/20 15:15	Air				VOC_A_TO15	
2012091-005A	SV5-16	12/10/20 16:00	Air				VOC_A_TO15	
2012091-006A	SV5-16DUP	12/10/20 16:00	Air				VOC_A_TO15	
2012091-007A	SV6-16	12/11/20 7:45	Air				VOC_A_TO15	
2012091-008A	SV6-5	12/11/20 8:16	Air				VOC_A_TO15	
2012091-009A	SV8-16	12/11/20 9:17	Air				VOC_A_TO15	
2012091-010A	SV7-16	12/11/20 9:41	Air				VOC_A_TO15	
2012091-011A	SV9-13	12/11/20 13:31	Air				VOC_A_TO15	
2012091-012A	SV10-16	12/11/20 13:52	Air				VOC_A_TO15	
2012091-013A	SV11-18	12/11/20 15:37	Air				VOC_A_TO15	
2012091-014A	SV12-18	12/11/20 16:10	Air				VOC_A_TO15	
2012091-015A	SV12-5	12/11/20 16:25	Air				VOC_A_TO15	

Torrent LABORATORY, INC.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Torrent
JOB NUMBER: 126.076.01
NAME / LOCATION: El Camino Center
PROJECT MANAGER: J. Dunn / S. Patterson
SAMPLERS: E. Theil 20120911
RECORDER: E. Theil

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	Can ID	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Vacuum start	stop	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	TO-15 (VOCs)	1-1, DEA Tracer Gas	
20	12	10	1338	SV1-16	X				N3971	1					-30	-4	16									X	X	001A
			1414	SV2-16	X				B3732	1					-30	-4	16									X	X	002A
			1449	SV3-16	X				A7550	1					-30	-6	16									X	X	003A
			1515	SV4-16	X				6332	1					-28	-8	16									X	X	004A
			1600	SV5-16	X				8359	1					-30	-6	16									X	X	005A
V	V	V	1600	SV5-16 DUP	X				8384	1					-30	-6	16									X	X	006A

NOTES
Turn Around Time: Standard

Page 1 of 2

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	12/11/12	1735
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Delivered to lab by sampler.

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Torrent LABORATORY, INC.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Torrent
JOB NUMBER: 126.076.01
NAME / LOCATION: El Centro Center
PROJECT MANAGER: S. Dum / J. Patterson
SAMPLERS: E. Theil 20120911
RECORDER: E. Theil

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	Grab	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Vacuum Start	Stop	DEPTH IN FEET	ANALYSIS REQUESTED EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	TO-15 (VOCs)	1-L DFA Tracer Gas	
20	12	11	0745	SV6-16	X				A3571	1					-30	-6	16									X	X	207A
			0810	SV6-5	X				A3276	1					-30	-4	5									X	X	208A
			0917	SV8-16	X				A3385	1					-30	-6	16									X	X	209A
			0941	SV7-16	X				A3248	1					-30	-6	16									X	X	210A
			1331	SV9-13	X				A3518	1					-30	-4	13									X	X	211A
			1352	SV10-16	X				A3244	1					-30	-4	16									X	X	212A
			1537	SV11-18	X				A3553	1					-30	-4	18									X	X	213A
			1610	SV12-18	X				A3264	1					-30	-4	18									X	X	214A
			1625	SV12-5	X				A3108	1					-30	-4	5									X	X	215A

NOTES
Turn Around Time: Standard

Page 2 of 2

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
		12/11/20	1735
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Delivered to lab by sampler

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

PES Environmental, Inc
7665 Redwood Blvd. Suite 200
Novato, California 94945
Tel: (415) 899-1600
Fax: (415) 899-1601

RE: El Camino Center

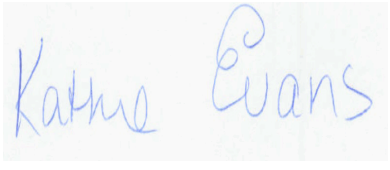
Work Order No.: 2012092

Dear Jim Dunn:

Torrent Laboratory, Inc. received 14 sample(s) on December 11, 2020 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

December 18, 2020
Date

Date: 12/18/2020

Client: PES Environmental, Inc

Project: El Camino Center

Work Order: 2012092

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 Analytical, Inc.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/18/20

SV6-16S 2012092-001

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2200000

SV6-5S 2012092-002

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	1600000

SV8-16S 2012092-003

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	1500000

SV7-16S 2012092-004

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2400000

SV9-13S 2012092-005

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2000000

SV10-16S 2012092-006

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2100000

SV11-18S 2012092-007

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2400000

SV12-18S 2012092-008

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	3000000

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Dunn
PES Environmental, Inc

Date Received: 12/11/20
Date Reported: 12/18/20

SV12-5S 2012092-009

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2500000

SV1-16S 2012092-010

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2000000

SV2-16S 2012092-011

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2300000

SV3-16S 2012092-012

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2700000

SV4-16S 2012092-013

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2500000

SV5-16S 2012092-014

Parameters:	Analysis Method	DF	MDL	PQL	Results ug/m3
1,1-Difluoroethane	ETO15	60	21	810	2700000

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV6-16S	**Lab Sample ID:**	2012092-001A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 7:45	**Certified Clean WO # :**	
Canister/Tube ID:	R3584	**Received PSI :**	14.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2200000	814,814.81	E	12/16/20	17:08	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	110 %			12/16/20	17:08	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV6-5S	**Lab Sample ID:**	2012092-002A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 8:16	**Certified Clean WO # :**	
Canister/Tube ID:	6121	**Received PSI :**	13.1
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	1600000	592,592.59	E	12/16/20	17:34	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	17:34	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV8-16S	**Lab Sample ID:**	2012092-003A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:17	**Certified Clean WO # :**	
Canister/Tube ID:	8272	**Received PSI :**	13.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	1500000	555,555.56	E	12/16/20	18:00	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	18:00	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV7-16S	**Lab Sample ID:**	2012092-004A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 9:41	**Certified Clean WO # :**	
Canister/Tube ID:	A7480	**Received PSI :**	15.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2400000	888,888.89	E	12/16/20	18:25	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	18:25	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV9-13S	**Lab Sample ID:**	2012092-005A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:31	**Certified Clean WO # :**	
Canister/Tube ID:	R3560	**Received PSI :**	14.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2000000	740,740.74	E	12/16/20	18:51	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	110 %			12/16/20	18:51	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV10-16S	**Lab Sample ID:**	2012092-006A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 13:52	**Certified Clean WO # :**	
Canister/Tube ID:	8463	**Received PSI :**	13.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2100000	777,777.78	E	12/16/20	19:16	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	110 %			12/16/20	19:16	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV11-18S	**Lab Sample ID:**	2012092-007A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 15:37	**Certified Clean WO # :**	
Canister/Tube ID:	1438	**Received PSI :**	15.0
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2400000	888,888.89	E	12/16/20	20:07	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	20:07	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV12-18S	**Lab Sample ID:**	2012092-008A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:10	**Certified Clean WO # :**	
Canister/Tube ID:	8215	**Received PSI :**	11.9
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	3000000	1,111,111.11	E	12/16/20	20:33	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	20:33	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV12-5S	**Lab Sample ID:**	2012092-009A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/11/20 / 16:25	**Certified Clean WO # :**	
Canister/Tube ID:	8469	**Received PSI :**	13.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2500000	925,925.93	E	12/16/20	21:15	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	21:15	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV1-16S	**Lab Sample ID:**	2012092-010A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 13:38	**Certified Clean WO # :**	
Canister/Tube ID:	6327	**Received PSI :**	11.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2000000	740,740.74	E	12/16/20	22:04	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	110 %			12/16/20	22:04	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV2-16S	**Lab Sample ID:**	2012092-011A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:14	**Certified Clean WO # :**	
Canister/Tube ID:	A7671	**Received PSI :**	12.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2300000	851,851.85	E	12/16/20	22:54	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/16/20	22:54	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV3-16S	**Lab Sample ID:**	2012092-012A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 14:49	**Certified Clean WO # :**	
Canister/Tube ID:	8440	**Received PSI :**	12.2
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2700000	1,000,000.00	E	12/16/20	23:43	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	110 %			12/16/20	23:43	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Dunn
PES Environmental, Inc

Date/Time Received: 12/11/20, 5:35 pm
Date Reported: 12/18/20

Client Sample ID:	SV4-16S	**Lab Sample ID:**	2012092-013A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 15:15	**Certified Clean WO # :**	
Canister/Tube ID:	N1431	**Received PSI :**	12.4
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2500000	925,925.93	E	12/17/20	0:33	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/17/20	0:33	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Client Sample ID:	SV5-16S	**Lab Sample ID:**	2012092-014A
Project Name/Location:	El Camino Center	**Sample Matrix:**	Air
Project Number:	126-076-01		
Date/Time Sampled:	12/10/20 / 16:00	**Certified Clean WO # :**	
Canister/Tube ID:	8300	**Received PSI :**	14.6
Collection Volume (L):		**Corrected PSI :**	
SDG:			

Prep Method:	TO15-P	**Prep Batch Date/Time:**	12/16/20	2:08:00PM
Prep Batch ID:	1127940	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,1-Difluoroethane	ETO15	60.00	21	810	2700000	1,000,000.00	E	12/17/20	1:23	BP	452989
(S) 4-Bromofluorobenzene	ETO15	60.00	65	135	100 %			12/17/20	1:23	BP	452989

NOTE: E=estimated concentration (outside of calibration range)

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012092	**Prep Method:**	TO15-P	**Prep Date:**	12/16/20	**Prep Batch:**	1127940
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/16/2020	**Analytical Batch:**	452989
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	0.17	
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	0.18	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
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	0.22	
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	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	2012092	**Prep Method:**	TO15-P	**Prep Date:**	12/16/20	**Prep Batch:**	1127940
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/16/2020	**Analytical Batch:**	452989
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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	0.20	
(S) 4-Bromofluorobenzene			110	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2012092	**Prep Method:**	TO15-P	**Prep Date:**	12/16/20	**Prep Batch:**	1127940
Matrix:	Air	**Analytical Method:**	ETO15	**Analyzed Date:**	12/16/2020	**Analytical Batch:**	452989
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	128	134	4.78	65 - 135	30	
Benzene	0.14	0.50	0.17	8.00	115	111	3.53	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	102	101	1.36	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	106	103	2.39	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	96.9	94.5	2.48	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	109	115		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: PES Environmental, Inc

Project Name: El Camino Center

Work Order No.: 2012092

Date and Time Received: 12/11/2020 5:35:00PM

Received By: HU

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: Client Drop Off

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: TL5146 PES Environmental, Inc
Project Name: El Camino Center
Project # : 126-076-01
Report Due Date: 12/18/2020

QC Level: II
TAT Requested: 5+ day:5
Date Received: 12/11/2020
Time Received: 5:35 pm

Comments:

Work Order # : ***2012092***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2012092-001A	SV6-16S	12/11/20 7:45	Air				VOC_A_PCE+T	
Sample Note:	Shroud samples for 1,1-DFA only							
2012092-002A	SV6-5S	12/11/20 8:16	Air				VOC_A_PCE+T	
2012092-003A	SV8-16S	12/11/20 9:17	Air				VOC_A_PCE+T	
2012092-004A	SV7-16S	12/11/20 9:41	Air				VOC_A_PCE+T	
2012092-005A	SV9-13S	12/11/20 13:31	Air				VOC_A_PCE+T	
2012092-006A	SV10-16S	12/11/20 13:52	Air				VOC_A_PCE+T	
2012092-007A	SV11-18S	12/11/20 15:37	Air				VOC_A_PCE+T	
2012092-008A	SV12-18S	12/11/20 16:10	Air				VOC_A_PCE+T	
2012092-009A	SV12-5S	12/11/20 16:25	Air				VOC_A_PCE+T	
2012092-010A	SV1-16S	12/10/20 13:38	Air				VOC_A_PCE+T	
2012092-011A	SV2-16S	12/10/20 14:14	Air				VOC_A_PCE+T	
2012092-012A	SV3-16S	12/10/20 14:49	Air				VOC_A_PCE+T	
2012092-013A	SV4-16S	12/10/20 15:15	Air				VOC_A_PCE+T	
2012092-014A	SV5-16S	12/10/20 16:00	Air				VOC_A_PCE+T	

Torrent LABORATORY, INC.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Torrent
JOB NUMBER: 176-076-01
NAME / LOCATION: El Camino Center
PROJECT MANAGER: S. Dum / S. Patterson
SAMPLERS: E. Theil 20120922
RECORDER: E. Theil

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	(unfil)	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Vacuum Start	Stop	DEPTH IN FEET	ANALYSIS REQUESTED EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	1,1-DFA tracer gas	
20	11	21	1	0745	SV6-16S	X			B3584	1					-30	-4	NA									X	-001A
				0816	SV6-55	X			6121	1					-30	-5										X	-002A
				0917	SV8-16S	X			8272	1					-30	-6										X	-003A
				0941	SV7-16S	X			A7480	1					-30	-4										X	-004A
				1331	SV9-13S	X			B3560	1					-18	-2										X	-005A
				1352	SV10-16S	X			8463	1					-30	-6										X	-006A
				1537	SV11-18S	X			1438	1					-28	-2										X	-007A
				1610	SV12-18S	X			8215	1					-30	-6										X	-008A
				1625	SV12-55	X			8469	1					-30	-6										X	-009A

NOTES

Turn Around Time: Standard

Page 1 of 2

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 12/11/20	TIME 1735
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Delivered to lab by Sampler

Read canisters @ ambient temp

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

Torrent LABORATORY, INC.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

2012092

7665 Redwood Boulevard, Suite 200
Novato, California 94945
(415) 899-1600 FAX (415) 899-1601

LABORATORY: Torrent
JOB NUMBER: 126.076.01
NAME / LOCATION: El Camino Center
PROJECT MANAGER: S. Dunn / S. Patterson

SAMPLERS: E. Theil
RECORDER: E. Theil

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	Cont'D	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	Vacuum Start	Vacuum Stop	DEPTH IN FEET	ANALYSIS REQUESTED EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	1,1-DEA trace-gas	
20	12	10	1338	SV1-16S	X				6327	1					-30	-5	NA									X	-001A-01DA
			1414	SV2-16S	X				A7671	1					-30	-6	NA									X	-002A-01AA
			1449	SV3-16S	X				8440	1					-30	-6	NA									X	-003A-01BA
			1515	SV4-16S	X				N1431	1					-29	-5	NA									X	-004A-01CA
			1600	SV5-16S	X				8300	1					-30	-6	NA									X	-005A-01DA

qui

NOTES

Turn Around Time: Standard

Page 2 of 2

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	12/11/20	1735
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Delivered to lab by Sampler

WHITE-Laboratory COPY YELLOW-Project Office Copy PINK-Field or Office Copy

DISTRIBUTION

SOIL VAPOR INVESTIGATION REPORT
EL CAMINO CENTER-PROPOSED RESIDENTIAL DEVELOPMENT
200-336 PORTAGE AVENUE
PALO ALTO, CALIFORNIA

FEBRUARY 8, 2021

The Sobrato Organization — Electronic Only
599 Castro Street, Suite 400
Mountain View, California 94041

PES Electronic File