



March 20, 2020

Regional Water Quality Control Board, Central Coast Region
Greg Bishop, Site Cleanup Program
895 Aerovista Place, Ste. 101
San Luis Obispo, CA 93401

Greg.Bishop@waterboards.ca.gov
(805) 549-3132

Update: ***Passive Soil Gas Sample Results & Planned Follow-up Sampling***
- **Expedited Site Characterization for an Imminent Multi-Use Development**

Site: **County of Santa Cruz Redevelopment Parcels**
1412, 1438, 1500 and 1514 Capitola Road, Santa Cruz (see Location Map, Figure 1)

1.0 INTRODUCTION

This update to our February 17th, *Workplan*⁽¹⁾ (WHA, 2020) documents the results of recently obtained, passive soil gas samples that were completed at the subject site. This update also presents follow-up sampling recommendations for additional soil, soil gas, and groundwater samples that will be collected across the property. The proposed follow-up sampling is designed to evaluate impacts of an encroaching dry cleaning solvent release (Tetrachloroethylene, aka: PCE), that appears to have originated from the adjoining property to the east (see *Site-Vicinity Aerial Map*, Figure 2). The results of the testing are designed to document site conditions and provide data needed to determine whether vapor barriers will be needed on a multi-use development project that is planned to break ground in a month.

2.0 BACKGROUND

A recent property screening assessment (RRM, 2020b) was completed in advance of a major redevelopment project⁽²⁾ that is about to break ground at the 3.7-acre subject site. The property screening detected elevated concentrations of the dry cleaning solvent PCE in two (2) shallow soil vapor samples collected along the northeastern property line (Figure 2). A follow-up review of historic land use documents indicates the source of the detected PCE contamination is most likely from the adjoining property to the east (i.e., 1600 Capitola Road).

The *Workplan* (Weber, Hayes, 2020) was submitted to the Central Coast Regional Water Quality Control Board, and included plans for:

1. A preliminary screening mobilization that included the collection of 44 passive soil gas samples.
2. A follow-up round of soil, soil gas, and groundwater samples based on the results data obtained from the initial round of passive sample results.

¹: *Workplan link:* [2020-02 Workplan \(Passive Soil Gas & GW\)](#)

²: Grants have been acquired to redevelop the underutilized vacant site into a mixed-use development consisting of a medical clinic (Santa Cruz Community Health Center) and dental office (Dientes), and 56 affordable apartments (residential). Development environmental planning permits are due in April and initial grading earthwork is scheduled for June 2020.

3.0 FIELD WORK AND LABORATORY RESULTS

February 25, 2020: Forty-four (44) passive soil gas samplers were installed to evaluate the lateral extent of the recently discovered dry cleaning solvent concentrations, detected along the northeastern property boundary (RRM, *Limited Soil Vapor Investigation*, January 24, see Figure 2). The samples were installed in a grid pattern that extended outward from the property boundary with the Former Fairway Dry Cleaners (formerly located just beyond the northeast corner of the subject site).

Samplers were left in place over the course of 7 days, retrieved, shipped to, and analyzed by the State-certified testing laboratory (Beacon Environmental) for a standard suite of chlorinated solvents by EPA Method 8260 including the dry cleaning solvent and its degradation compounds:

- Tetrachloroethene (PCE),
- Trichloroethene (TCE),
- Cis-, and Trans-1,2-Dichloroethene (DCE), and
- Vinyl Chloride.

The soil gas sample results have been tabulated (Table 1) along with agency-established, health-based threshold limits for commercial and residential land uses (i.e., the San Francisco Regional Water Quality Control Boards, *Environmental Screening Levels*). The results indicate the following:

1. The former Fairway Dry Cleaners located along the northeastern property boundary (see Figure 2) appears to be the source of the detected volatile solvents (i.e., **PCE**). The highest concentrations of PCE were detected along the property boundary (PSV-37 : **1,830 ug/m³**). The agency threshold limits for **commercial and residential land uses are 67 and 15 ug/m³**, respectively – see Figure 3, *Passive Soil Gas Survey Results*.
2. The grid of passive soil sampling data indicates that concentrations of all chlorinated solvents drop to below *residential* land use screening thresholds as you move westward on the property). Results of the current round of passive soil gas samples indicates that although soil gas impacts are present, they are limited in extent (see Figure 3).
3. Two sample locations on the subject site (PSV-11 and PSV-31) contained elevated concentrations that may or may not indicate the presence of a small, source area(s) on the property, potentially related to historic metal degreasing or maintenance operations. These limited areas will be further evaluated in the follow-up soil, soil vapor, and groundwater mobilization.
4. Fuel related compounds (i.e., the volatile fuel constituent compounds of Benzene, Toluene, Ethylbenzene, Xylenes, BTEX) are being processed by the laboratory because of a historic fuel leak case located ~200 feet northeast of the subject property. An update regarding fuel related compounds will be included in a future summary report.

The attached summary data package includes figures, summary tables, field notes, and laboratory reports.

4.0 PROPOSED FOLLOW-UP SAMPLING

Based on the preliminary screening results obtained from the passive soil gas sampling, we plan on moving forward with the second phase of our property screening assessment, which includes the collection of groundwater samples, active soil vapor samples, and soil samples from exploratory soil core borings (shown on Figure 4). These follow-up samples will be collected to evaluate the following:

- Groundwater Encroachment: Six (6) groundwater samples will be collected to define the limits of dissolved solvent compounds in groundwater that may be an off-gassing source of the PCE detected in shallow soil vapor. Groundwater is encountered at depths of approximately 20-24 feet below ground surface.
- Soil Vapor Encroachment: Soil gas samples will be collected to evaluate the magnitude of soil gas concentrations at select locations utilizing active soil vapor samples from 5 and 15-foot depths. These samples will assist in evaluating source locations (i.e., encroachment from dry cleaner releases to shallow soils at the property boundary; and encroachment from dissolved groundwater plume off-gassing). The results will include delineation of western extent of soil gas plume. All results will be compared with agency-established, health-based thresholds.
- Delineation of two, limited elevated areas (i.e., confirm whether or not there is a limited on-site source).
- Collection of soil samples in select locations to confirm whether or not there is any elevated solvent concentrations in shallow soils.

5.0 MOBILIZATION SCHEDULE

We are currently scrambling to get a drilling date for this project which falls under the County of Santa Cruz exemption (10 c) to the *Shelter in Place Order*.³ We expect to get a confirmation date shortly.

County of Santa Cruz exemption (10 c) to the Shelter in Place Order

For purposes of this Order, individuals may leave their residence to provide any services or perform any work necessary to the operations and maintenance of "Essential Infrastructure," including, but not limited to, public works construction, construction of housing (in particular affordable housing or housing for individuals experiencing homelessness), airport operations, water, sewer, gas, electrical, oil refining, roads and highways, public transportation, solid waste collection and removal, internet, and telecommunications systems (including the provision of essential global, national, and local infrastructure for computing services, business infrastructure, communications, and web-based services), provided that they carry out those services or that work in compliance with Social Distancing Requirements as defined this Section, to the extent possible.

³: <http://santacruzhealth.org/HSAHome/HSADivisions/PublicHealth/CommunicableDiseaseControl/Coronavirus/ShelterInPlace.aspx>

Limitations

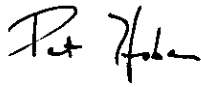
Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic and engineering principles and practices. This warranty is in lieu of all others, either express or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modification of the opinions expressed herein.

Thank you for the opportunity to participate in the assessment of this site. If you have any questions regarding this report, or any aspect of this project, please contact us at (831) 722-3580

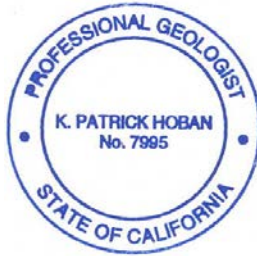
Sincerely,

WEBER, HAYES AND ASSOCIATES

By



Pat Hoban, PG
Principal Geologist



cc: Rebecca Supplee, R.E.H.S.
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Environmental Health Division
701 Ocean Street, Suite 312
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(831) 454-2738
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County of Santa Cruz
Department of Public Works
701 Ocean Street, Room 410
Santa Cruz, CA 95060
- Travis Cary, Director of Capital Projects
(831) 454-2339
travis.cary@santacruzcounty.us
- Kimberly Finley, Chief Real Property Agent
831-454-2334
Kimberly.Finley@santacruzcounty.us

Figures: 1) Location Map
2) Site Map with Previous Sample Locations
3) Passive Soil Vapor Survey Results
4) Step-out Groundwater, Soil, and Soil Vapor Sample Locations

Tables: 1) Passive Soil Gas Sampling

REFERENCES

California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB-SFB):

- (CRWQCB-SFB, 2019) guideline document: "Screening for Environmental Concerns at Sites with Contaminated Soil and *Groundwater*", Final January.
 - https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html

Earth Systems report regarding (1412, 1438, 1500, and 1514 Capitola Road:

- (Earth Systems, 2018), *Revised Geotechnical Engineering Report*, October 24.

Remediation Risk Management, Inc. (RRM) reports regarding 1412, 1438, 1500, and 1514 Capitola Road:

- (RRM, 1994): *Remedial Action Summary Report for 1438 Capitola Road*, October 3.
- (RRM, 2020a): *Phase I Environmental Site Assessment (ESA)*, January 6.
- (RRM, 2020b): *Limited Soil Vapor Investigation (Phase II)*, January 20.

Reports summarizing the Live Oak Texaco fuel leak case (1990-2012) at 1671 Capitola Road:

- (Clearwater Group, 2011): *Site Conceptual Model (SCM) Report*, June
- (AES, 2012): A+ Environmental Solutions report: *Groundwater Monitoring Report & Request for Case Closure*, May 18.
- (GeoTracker, 2020): *Geotracker Archive of site-specific, fuel leak reports are at:*
https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608700286

Weber, Hayes and Associates (WHA)

- (WHA, 2020): *Workplan – Expedited Site Characterization for an Imminent Multi-use Redevelopment*, Feb 17.

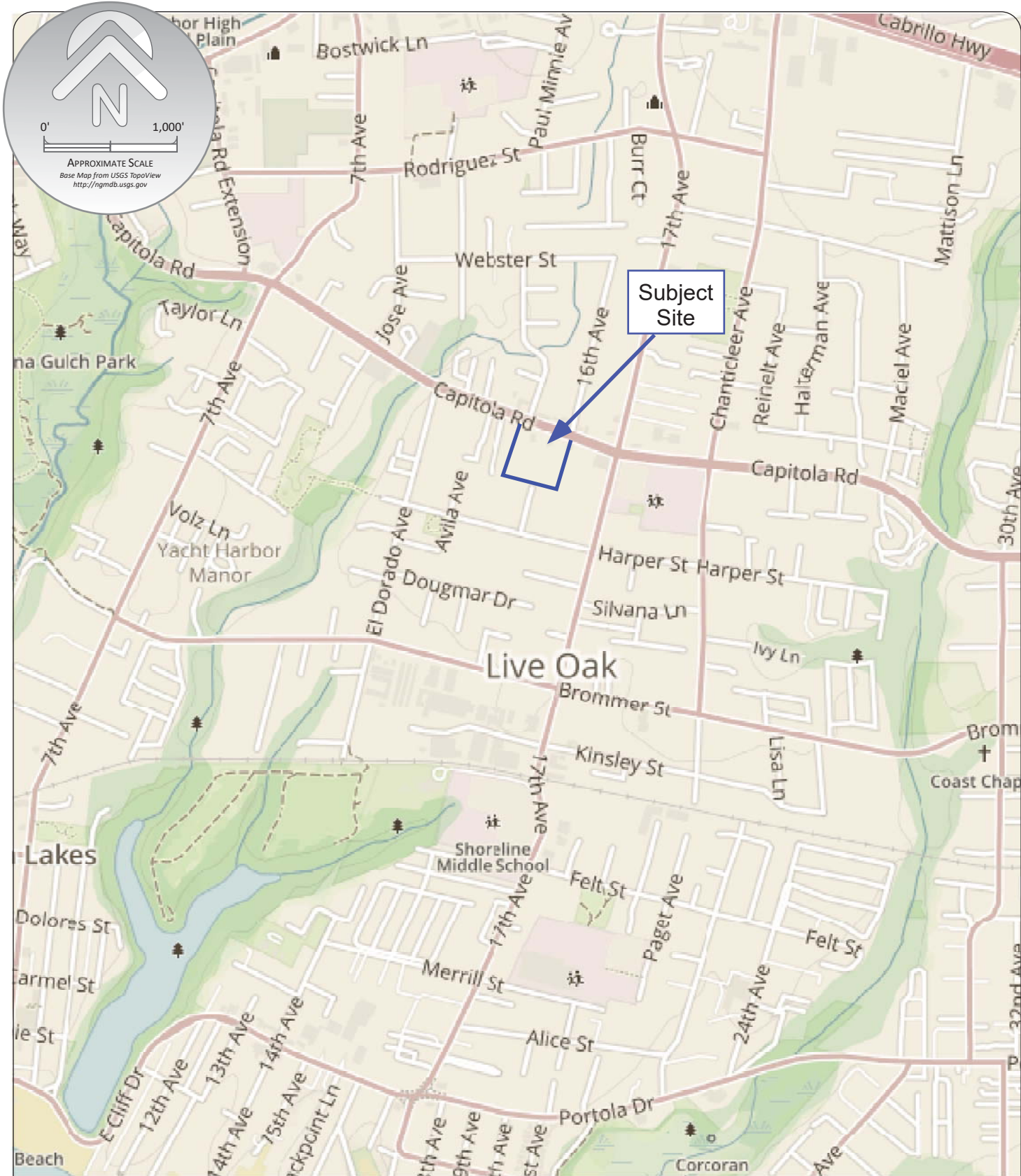
Figures

Figure 1: Location Map

Figure 2: Site Map with Previous Sample Results

Figure 3: Passive Soil Vapor Survey Results

**Figure 4: Step-out Groundwater, Soil, and Soil
Vapor Locations**



WEBER, HAYES & ASSOCIATES
 Hydrogeology and Environmental Engineering
 120 Westgate Drive, Watsonville, CA
 831.722.3580 / www.weber-hayes.com

Location Map

Site: County of Santa Cruz Redevelopment Parcels
 Address: 1412, 1438, 1500 and 1514 Capitolia Road, Santa Cruz

Date: February 2019

Revisions/Notes:

FIGURE
1
 Project
 2t009



Site Map and Previous Sample Results Supplemental Property Screening Assessment

FIGURE
2
Project
21009

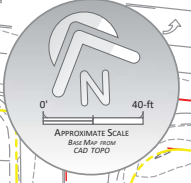
Site: County of Santa Cruz Redevelopment Parcels
Address: 1412, 1438, 1500 and 1514 Capitola Road, Santa Cruz

Date: February 2020

REVISIONS/NOTES:



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Capitola Road

APPROXIMATE SHALLOW
GROUNDWATER FLOW DIRECTION
(Based on monitoring well at
1671 Capitola Road)

Former
Dry
Cleaners

MW-5

Leila Court

Tested Contaminant Thresholds
(land use limits)
- Commercial / Residential -
PCE= 67 / 15 ug/m3
(see Table for additional details)

Explanation

▲ = Passive Sample Location
and results (in ug/m³)

Color Scale (ug/m³)

▲ Former Groundwater Monitoring Well
PCE at 12-130 ppb (between 2008-12)

Base map from Santa Cruz County

Passive Soil Vapor Survey Results (PCE)
Supplemental Property Screening Assessment

FIGURE 3
Project
2t009

Site: County of Santa Cruz Redevelopment Parcels
Address: 1412, 1438, 1500 and 1514 Capitola Road, Santa Cruz

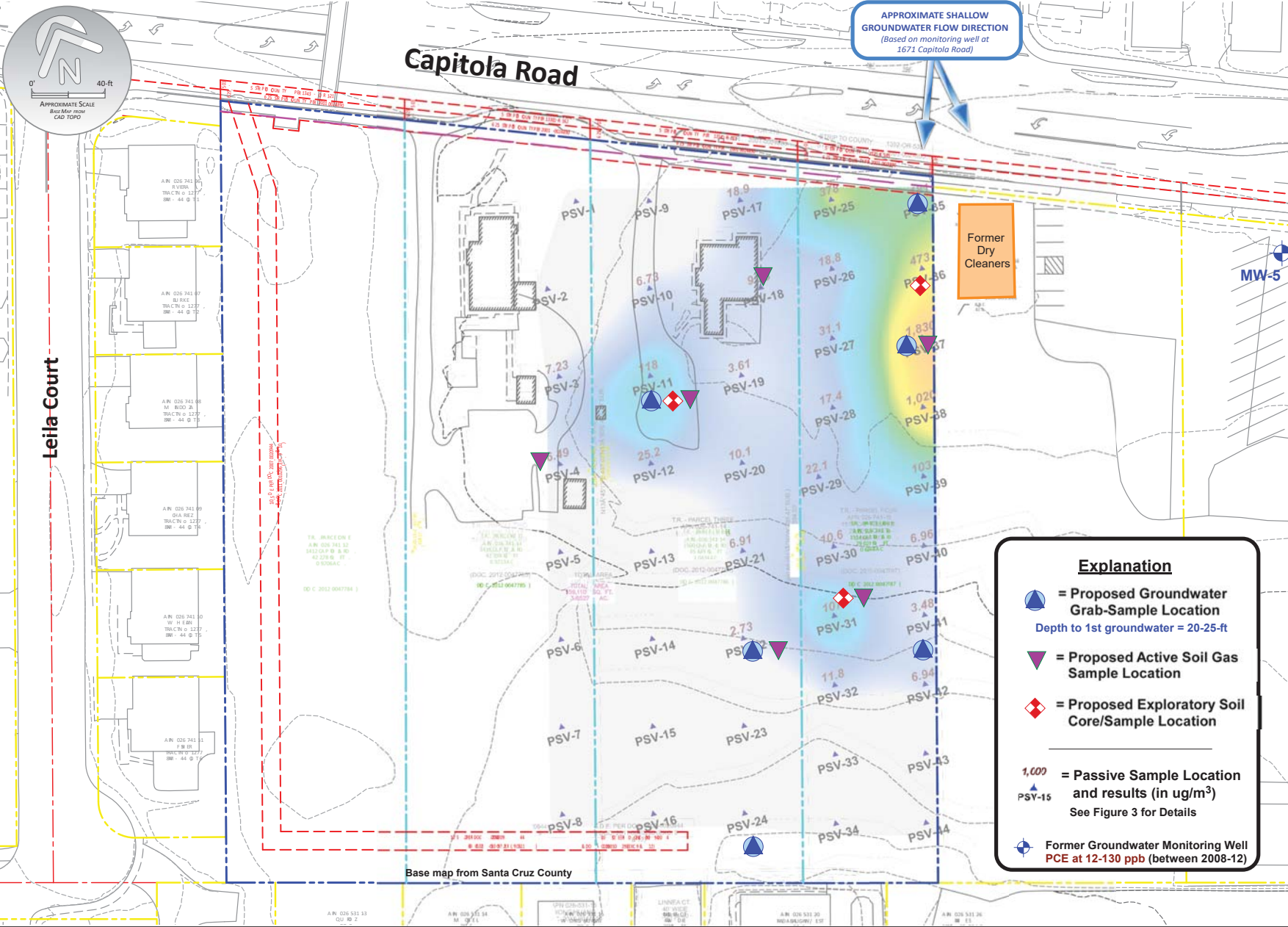
REVISIONS/NOTES:

Date: February 2020






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Capitola Road

APPROXIMATE SHALLOW
GROUNDWATER FLOW DIRECTION
(Based on monitoring well at
1671 Capitola Road)



Explanation

-  = Proposed Groundwater Grab-Sample Location
Depth to 1st groundwater = 20-25-ft
-  = Proposed Active Soil Gas Sample Location
-  = Proposed Exploratory Soil Core/Sample Location
-  = Passive Sample Location and results (in ug/m³)
See Figure 3 for Details
-  Former Groundwater Monitoring Well
PCE at 12-130 ppb (between 2008-12)

Step-out Groundwater, Soil Vapor, & Soil Sample Locations

FIGURE 4
Project
21009

- Supplemental Property Screening Assessment
Site: County of Santa Cruz Redevelopment Parcels
Address: 1412, 1438, 1509 and 1514 Capitola Road, Santa Cruz
Date: February 2020

REVISIONS/NOTES:



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Leila Court

Base map from Santa Cruz County

Tables

Table 1: Passive Soil Gas Sampling

Table 1
Passive Soil Gas Sampling
Volatile Dry Cleaning Solvent Compound Testing Results
 Seven Day Sampling Event (February 25-March 3, 2020)
 1412-1514 Capitola Road
 Santa Cruz

Sample Information		Laboratory Analytical Results <small>All soil vapor results are in ug/m³</small>				
Sample ID	Sample Depth <small>(feet below ground surface)</small>	PCE <small>(Tetrachloroethene)</small>	TCE <small>(Trichloroethene)</small>	Dichloroethene (DCE)		Vinyl Chloride
				cis-1,2-DCE	trans-1,2-DCE	
PSV-1	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-2	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-3	3 ft	7.23	<2.92	<1.84	<2.25	<1.29
PSV-4	3 ft	6.49	<2.92	<1.84	<2.25	<1.29
PSV-5	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-6	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-7	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-8	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-9	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-10	3 ft	6.73	<2.92	<1.84	<2.25	<1.29
PSV-11	3 ft	118	5.58	<1.84	<2.25	<1.29
PSV-12	3 ft	25.2	<2.92	<1.84	<2.25	<1.29
PSV-13	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-14	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-15	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-16	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-17	3 ft	18.9	<2.92	<1.84	<2.25	<1.29
PSV-18	3 ft	9.28	<2.92	<1.84	<2.25	<1.29
PSV-19	3 ft	3.61	<2.92	<1.84	<2.25	<1.29
PSV-20	3 ft	10.1	<2.92	<1.84	<2.25	<1.29
PSV-20-dup	3 ft	10.8	<2.92	<1.84	<2.25	<1.29
PSV-21	3 ft	6.91	<2.92	<1.84	<2.25	<1.29
PSV-22	3 ft	2.73	<2.92	<1.84	<2.25	<1.29
PSV-23	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-24	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-25	3 ft	378	19.7	<1.84	<2.25	<1.29
PSV-26	3 ft	18.8	<2.92	<1.84	<2.25	<1.29
PSV-27	3 ft	31.1	<2.92	<1.84	<2.25	<1.29
PSV-28	3 ft	17.4	<2.92	<1.84	<2.25	<1.29
California DTSC-Modified Soil Gas Levels ⁽²⁾ <small>Residential / Commercial Land Use</small>		15 / 67	16 / 100	280 / 1,200	2,800 / 12,000	0.32 / 5.2
Environmental Screening Levels ⁽¹⁾ <small>Residential / Commercial</small>		15 / 67	16 / 100	280 / 1,200	2,800 / 12,000	0.32 / 5.2

Table 1
Passive Soil Gas Sampling
Volatile Dry Cleaning Solvent Compound Testing Results
 Seven Day Sampling Event (February 25-March 3, 2020)
 1412-1514 Capitola Road
 Santa Cruz

Sample Information		Laboratory Analytical Results <i>All soil vapor results are in ug/m³</i>				
Sample ID	Sample Depth <i>(feet below ground surface)</i>	PCE <i>(Tetrachloroethene)</i>	TCE <i>(Trichloroethene)</i>	Dichloroethene (DCE)		Vinyl Chloride
				cis-1,2-DCE	trans-1,2-DCE	
PSV-29	3 ft	22.1	<2.92	<1.84	<2.25	<1.29
PSV-30	3 ft	10.6	<2.92	<1.84	<2.25	<1.29
PSV-31	3 ft	107	<2.92	<1.84	<2.25	<1.29
PSV-32	3 ft	11.8	<2.92	<1.84	<2.25	<1.29
PSV-33	3 ft	<2.42	<2.92	<1.84	<2.26	<1.29
PSV-34	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-35	3 ft	181	<2.92	<1.84	<2.25	<1.29
PSV-35-dup	3 ft	240	5.26	<1.84	<2.25	<1.29
PSV-36	3 ft	473	9.74	<1.84	<2.25	<1.29
PSV-37	3 ft	1,830	16.1	2.38	<2.25	<1.29
PSV-38	3 ft	1,020	18.5	<1.84	<2.25	<1.29
PSV-39	3 ft	103	<2.92	<1.84	<2.25	<1.29
PSV-39-dup	3 ft	80.7	<2.92	<1.84	<2.25	<1.29
PSV-40	3 ft	6.96	<2.92	<1.84	<2.25	<1.29
PSV-41	3 ft	3.48	<2.92	<1.84	<2.25	<1.29
PSV-42	3 ft	6.94	<2.92	<1.84	<2.25	<1.29
PSV-43	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-44	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
PSV-44-dup	3 ft	<2.42	<2.92	<1.84	<2.25	<1.29
California DTSC-Modified Soil Gas Levels ⁽²⁾ Residential / Commercial Land Use		15 / 67	16 / 100	280 / 1,200	2,800 / 12,000	0.32 / 5.2
Environmental Screening Levels ⁽¹⁾ Residential / Commercial		15 / 67	16 / 100	280 / 1,200	2,800 / 12,000	0.32 / 5.2

Notes:

1 = CA DTSC Modified Air Screening Levels: Human health risk thresholds established by the California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note Number 3, Table 3, April 2019.
 - <<https://www.dtsc.ca.gov/AssessingRisk/upload/HHRA-Note-3-June-2018.pdf>>

2 = Environmental Screening Levels (ESLs): Human health risk thresholds established by the San Francisco Bay Regional Water Quality Control Board. Source: the User's Guide: Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater (Interim Final, Jan 2019)
 - <https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/ESLs.html>
 - Note: The ESLs for all media (soil, soil vapor, groundwater) were generated to provide quantitative risk-based guidance on whether further assessment or remediation of contamination is warranted based on chemical transport and their effect on receptors (i.e. human health, groundwater resources, ecological). The ESLs listed in this summary table are the most conservative, "Tier 1 ESLs", and are based on shallow soils (<3m), groundwater is a current or potential source of drinking water.

BOLD = Indicates the compound was detected.

< X = Constituent not detected above laboratory's Method Detection Limit (MDL), X.

BOLD = Analytical result exceeds Commercial US EPA RSL, CA DTSC or ESL threshold.

BOLD = Analytical result exceeds Residential US EPA RSL, CA DTSC or ESL threshold.

PCE = Tetrachloroethene

TCE = Trichloroethene

DCE = Dichloroethene

Note: TCE and DCE are degradation (daughter products) of PCE

Field Documentation

- **Field Notes**
- **Photo Sheets**

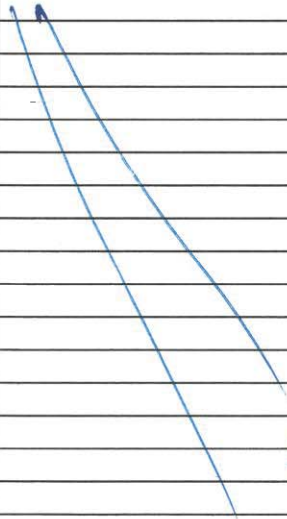


INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Client: County of Santa Cruz	Date: 2/17/20
Site Location: 1500 Capitola Road	Study #: 27009
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): utility clearance	Weather Conditions: Sun w/ clouds
Personnel / Company On-Site: Harrison Huckes (WHA), Sergio Truel (Coastwide Utility Locators)	

TIME:

1315	Arrive on-site and meet w/ coastwide utility locators (Sergio). - discuss scope of work for utility clearance: clear entire area using passive sweep of utilities. - provide utility map (from county) and proposed sample locations. Sergio begins utility clearance. Assist w/ utility location - Call U.S.A. ticket - 811: Ticket # W001800257 - Active until March 16th. Continue utility location.
1410	Utilities marked. Pack equipment and prepare to denob.
1420	Denob.  H.H.

H.H. 2/17/20
 Signature of Field Personnel & Date




INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Job Name: Former Fairway Cleaners	Date: 2/24/20
Site Location: Capitola Road Santa Cruz	Study #: 21009
Field Tasks: <input type="checkbox"/> Drilling <input type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): Sample lay-out	Weather Conditions: Sunny - Warm
Personnel / Company On-Site: Harrison Huckes, Ryan Nyberg (WHA)	

TIME:

1500	Arrive on-site and begin sample lay-out of passive vapor locations. Locations will be marked on the sampling location map. - Samples referenced/measured from PSV-35. PSV-35 referenced from multiple structural features. Continue sample lay-out/measuring → note, select sample locations are adjusted based on safety criteria. - Hoods encampment present on-site w/ debris/bio-hazard waste observed. - See sample location map for updated locations locations.
	Sample layout complete → all locations in soil soil/bare-earth except for PSV-3 & PSV-4. (Asphalt locations).
	Will return tomorrow to complete sample installation.
1700	Densb. 

 2/24/20
Signature of Field Personnel & Date



INDICATE ATTACHMENTS THAT APPLY

- Site Map
- Data Sheets
- Geologic Logs
- Photo Sheets
- COC's
- Chargeable Materials

Job Name: Former Firing Cleaners	Date: 2/25/20
Site Location: Capitola Road, Santa Cruz	Study #: 2T009
Field Tasks: <input checked="" type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input type="checkbox"/> Other (see below):	Weather Conditions:
Passive Soil Vapor Sampling	Morning cool - NO clouds - Sun
Personnel / Company On-Site: Harrison Hicks, Ryan Nyberg (WHA)	

TIME:

0715	Arrive on-site and discuss scope of work:
	- drill and install 44 sample locations for passive soil gas adsorbent tubes.
	- protocols for installation (e.g. depths, diameter, etc.) will follow Beacon laboratory guidance.
	- See attached fieldsheet for additional sample location specific details.
	- See photo sheets for additional detail.
	Note: Homeless encampment present on-site → adjusted location of PSV-28 for safety.
0730	Begin drilling → Ryan will complete drilling at each location. I will deploy samplers. See Ryan's fieldsheets for drilling detail.
0815	Continue drilling and deploying passive soil vapor tubes. Difficult drilling conditions at PSV-36.
	Drilling continues → Passive vapor tube installation continues.
1120	- Break for lunch
1140	Continue drilling and sample deployment.
	- Pat Hoban (WHA) on-site to photo document & observe sampling. Discuss project progress.
1215	- Pat departs
	Continue drilling and sample deployment
	All samples deployed. Will return in 7 days to retrieve samples. Sample locations marked w/pin flags.
1430	Pack equipment and demobilize.

[Signature] 2/25/20
Signature of Field Personnel & Date

FIGURE 3
Project
27009

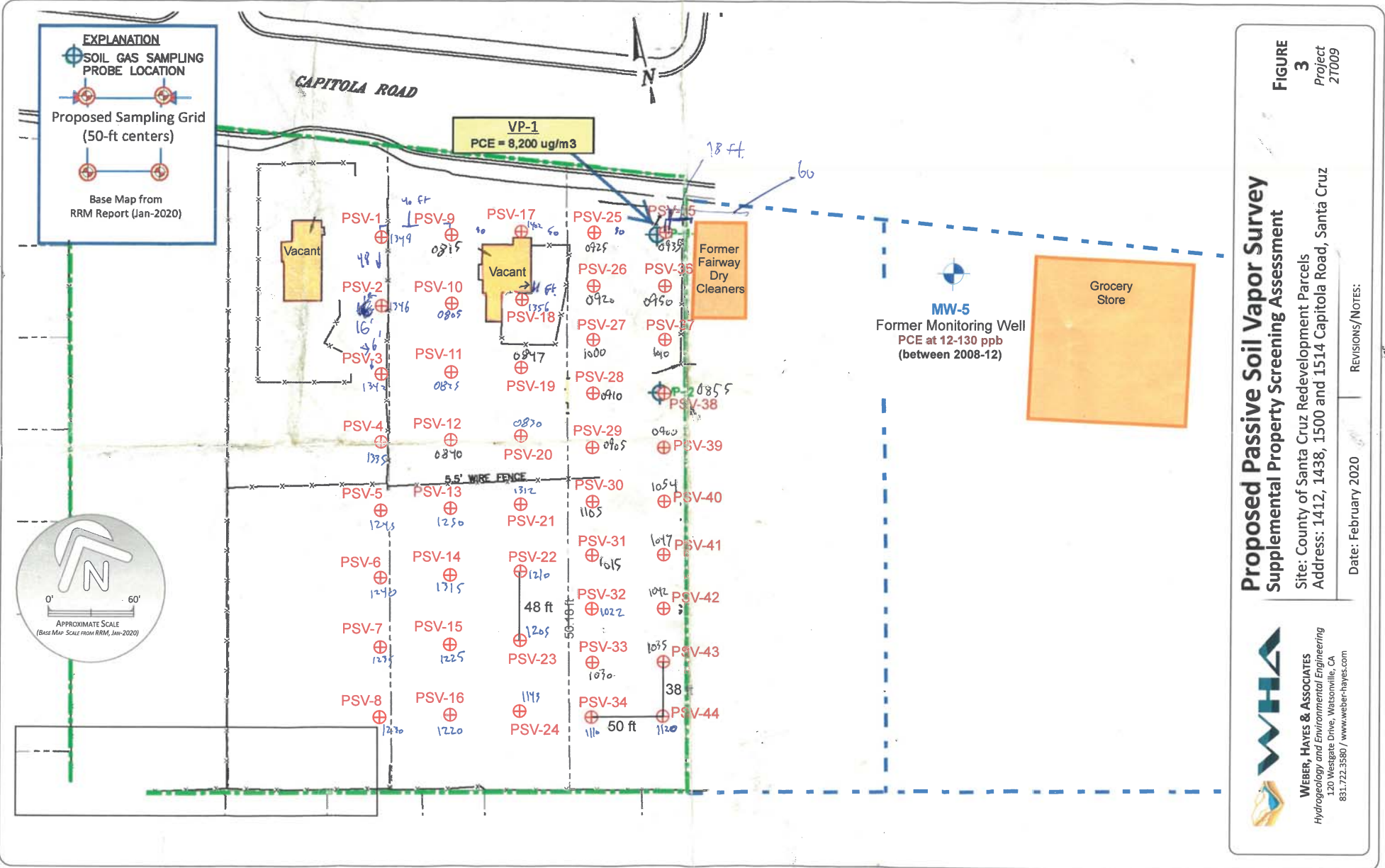
**Proposed Passive Soil Vapor Survey
Supplemental Property Screening Assessment**

Site: County of Santa Cruz Redevelopment Parcels
Address: 1412, 1438, 1500 and 1514 Capitola Road, Santa Cruz

Date: February 2020 REVISIONS/NOTES:



WEBER HAYES & ASSOCIATES
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95093 831.722.3580 / www.weber-hayes.com

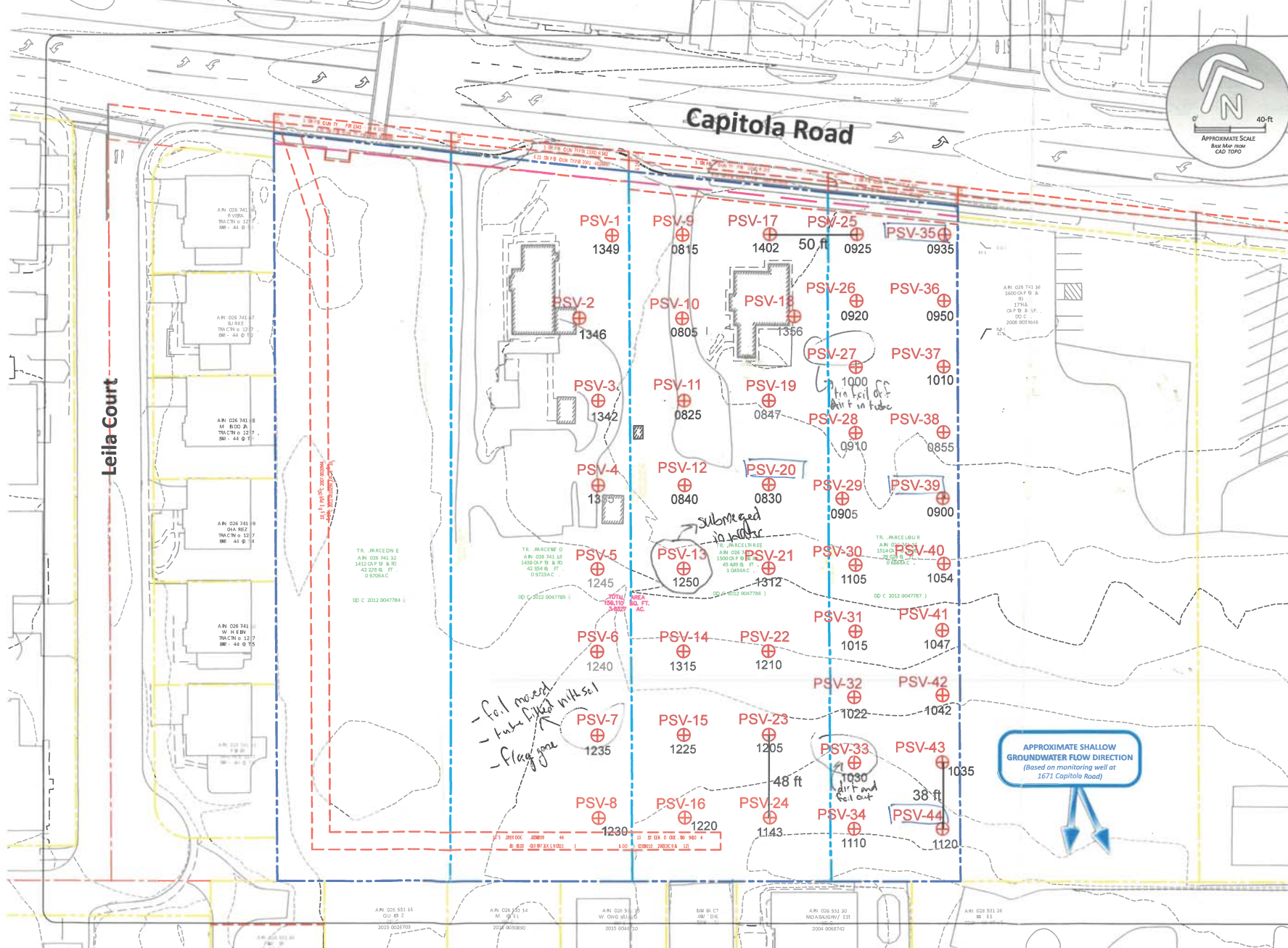




Project / Client: <u>County of Santa Cruz</u>	Project #: <u>21009</u>
Site Location: <u>1412, 1438, 1500, & 1514 Capitola Rd</u>	Date: <u>3-3-20</u>
Field tasks: <u>Passive Soil Vapor Sample Collection</u>	Weather: <u>Sunny</u>
Personnel / Company On-Site: <u>RU (WHA)</u>	
Attachments: Site Map <input type="checkbox"/> Data Sheets <input type="checkbox"/> Geologic Logs <input type="checkbox"/> Photos <input type="checkbox"/> COC <input type="checkbox"/> Chargeable Materials <input type="checkbox"/>	

Time:	Notes:
	photo document Passive Soil Vapor Sample Collection
0745	Arrived onsite with Harrison. Preparing Passive Soil Vapor Sample collection. First sample was placed a week ago at 0805.
0800	- Beginning sampling at 0805 at PSV-10. Harrison planning to take off soon.
0900	- PSV-27 has some dirt next and the soil was moved (gophers? dogs?)
1030	- Same thing happened on PSV-33.
1110	- Lunch Break. Working on COC and organizing sample bags.
1143	- Starting up again (PSV-24). Working on southwest corner of site.
1235	- PSV-7 had soil displaced and soil in metal tube.
1250	- PSV-13 is submerged in water (no significant odors of liquid so hopefully it is water). Sample was completely submerged.
1410	- Finishing up mobilization. Checking over field notes and COCs. Reviewing beacon checklist for sample delivery.
1430	- Mobilizing to FedEx to drop off samples.


 Signature of Field Personnel & Date



WHA
WEBER, HAYES & ASSOCIATES
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, CA
831.722.3580 / www.weberhayes.com

Site Map
Supplemental Property Screening Assessment

FIGURE 2
Project 21009

Site: County of Santa Cruz Redevelopment Parcels
Address: 1412, 1438, 1500 and 1514 Capitola Road, Santa Cruz

Date: February 2020

REVISIONS/NOTES:



Drilling for Installation of Passive Soil Gas Sampler



Passive Soil Gas Sampler



State Certified Laboratory Reports

Passive Soil Gas Samplers - March 13, 2020 - Beacon Environmental - Work Order 0005131



Beacon Environmental
2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 200203R01

Laboratory Work Order: 0005131

Project Description:

Santa Cruz Redevelopment Parcels
Santa Cruz, CA

Client PO No.: 2t009

Prepared for:

Pat Hoban

Weber, Hayes & Associates

120 Westgate Drive

Watsonville, CA 95076

Ryan W. Schneider
Senior Project Manager

March 13, 2020

All data meet requirements as specified in the Beacon Environmental Services, Inc. Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Interim Quality Manager

Table of Contents

Cover Page	1
Sample Summary	7
Case Narrative	10
Analytical Results	11
Summary of Compound Detections	12
Data Summary Table	26
Data Summary Table	26
Detailed Analytical Results	27
0005131-01 - Trip 1	29
0005131-02 - Trip 2	30
0005131-03 - PSV-1	31
0005131-04 - PSV-2	32
0005131-05 - PSV-3	33
0005131-06 - PSV-4	34
0005131-07 - PSV-5	35
0005131-08 - PSV-6	36
0005131-09 - PSV-7	37
0005131-10 - PSV-8	38
0005131-11 - PSV-9	39
0005131-12 - PSV-10	40
0005131-13 - PSV-11	41
0005131-14 - PSV-12	42
0005131-15 - PSV-13	43
0005131-16 - PSV-14	44
0005131-17 - PSV-15	45

Table of Contents (continued)

0005131-18 - PSV-16	46
0005131-19 - PSV-17	47
0005131-20 - PSV-18	48
0005131-21 - PSV-19	49
0005131-22 - PSV-20	50
0005131-23 - PSV-20-dup	51
0005131-24 - PSV-21	52
0005131-25 - PSV-22	53
0005131-26 - PSV-23	54
0005131-27 - PSV-24	55
0005131-28 - PSV-25	56
0005131-29 - PSV-26	57
0005131-30 - PSV-27	58
0005131-31 - PSV-28	59
0005131-32 - PSV-29	60
0005131-33 - PSV-30	61
0005131-34 - PSV-31	62
0005131-35 - PSV-32	63
0005131-36 - PSV-33	64
0005131-37 - PSV-34	65
0005131-38 - PSV-35	66
0005131-39 - PSV-35-dup	67
0005131-40 - PSV-36	68
0005131-41 - PSV-37	69
0005131-42 - PSV-38	70

Table of Contents (continued)

0005131-43 - PSV-39	71
0005131-44 - PSV-39-dup	72
0005131-45 - PSV-40	73
0005131-46 - PSV-41	74
0005131-47 - PSV-42	75
0005131-48 - PSV-43	76
0005131-49 - PSV-44	77
0005131-50 - PSV-44-dup	78
0005131-01 - Trip 1	80
0005131-02 - Trip 2	81
0005131-03 - PSV-1	82
0005131-04 - PSV-2	83
0005131-05 - PSV-3	84
0005131-06 - PSV-4	85
0005131-07 - PSV-5	86
0005131-08 - PSV-6	87
0005131-09 - PSV-7	88
0005131-10 - PSV-8	89
0005131-11 - PSV-9	90
0005131-12 - PSV-10	91
0005131-13 - PSV-11	92
0005131-14 - PSV-12	93
0005131-15 - PSV-13	94
0005131-16 - PSV-14	95
0005131-17 - PSV-15	96

Table of Contents (continued)

0005131-18 - PSV-16	97
0005131-19 - PSV-17	98
0005131-20 - PSV-18	99
0005131-21 - PSV-19	100
0005131-22 - PSV-20	101
0005131-23 - PSV-20-dup	102
0005131-24 - PSV-21	103
0005131-25 - PSV-22	104
0005131-26 - PSV-23	105
0005131-27 - PSV-24	106
0005131-28 - PSV-25	107
0005131-29 - PSV-26	108
0005131-30 - PSV-27	109
0005131-31 - PSV-28	110
0005131-32 - PSV-29	111
0005131-33 - PSV-30	112
0005131-34 - PSV-31	113
0005131-35 - PSV-32	114
0005131-36 - PSV-33	115
0005131-37 - PSV-34	116
0005131-38 - PSV-35	117
0005131-39 - PSV-35-dup	118
0005131-40 - PSV-36	119
0005131-41 - PSV-37	120
0005131-42 - PSV-38	121

Table of Contents (continued)

0005131-43 - PSV-39	122
0005131-44 - PSV-39-dup	123
0005131-45 - PSV-40	124
0005131-46 - PSV-41	125
0005131-47 - PSV-42	126
0005131-48 - PSV-43	127
0005131-49 - PSV-44	128
0005131-50 - PSV-44-dup	129
QC Summaries	130
Additional QC Information	140
Sample Result Calculations	141
Equation	151
MDL/MRL Calculation Summary Table	152
Certifications	162
Notes and Definitions	163
Sample Management Records	164
Chain of Custody	165

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
---	---	--

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0005131-01 Sampler Type:	Trip 1 Beacon Passive Sampler	03/04/2020	EPA 8260C	Air
0005131-02 Sampler Type:	Trip 2 Beacon Passive Sampler	03/04/2020	EPA 8260C	Air
0005131-03 Sampler Type:	PSV-1 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-04 Sampler Type:	PSV-2 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-05 Sampler Type:	PSV-3 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-06 Sampler Type:	PSV-4 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-07 Sampler Type:	PSV-5 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-08 Sampler Type:	PSV-6 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-09 Sampler Type:	PSV-7 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-10 Sampler Type:	PSV-8 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-11 Sampler Type:	PSV-9 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-12 Sampler Type:	PSV-10 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-13 Sampler Type:	PSV-11 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-14 Sampler Type:	PSV-12 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-15 Sampler Type:	PSV-13 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-16 Sampler Type:	PSV-14 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-17 Sampler Type:	PSV-15 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-18 Sampler Type:	PSV-16 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-19 Sampler Type:	PSV-17 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-20 Sampler Type:	PSV-18 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas

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---	---	--

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0005131-21 Sampler Type:	PSV-19 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-22 Sampler Type:	PSV-20 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-23 Sampler Type:	PSV-20-dup Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-24 Sampler Type:	PSV-21 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-25 Sampler Type:	PSV-22 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-26 Sampler Type:	PSV-23 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-27 Sampler Type:	PSV-24 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-28 Sampler Type:	PSV-25 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-29 Sampler Type:	PSV-26 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-30 Sampler Type:	PSV-27 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-31 Sampler Type:	PSV-28 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-32 Sampler Type:	PSV-29 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-33 Sampler Type:	PSV-30 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-34 Sampler Type:	PSV-31 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-35 Sampler Type:	PSV-32 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-36 Sampler Type:	PSV-33 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-37 Sampler Type:	PSV-34 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-38 Sampler Type:	PSV-35 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-39 Sampler Type:	PSV-35-dup Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-40 Sampler Type:	PSV-36 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-41 Sampler Type:	PSV-37 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas

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---	---	--

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0005131-42 Sampler Type:	PSV-38 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-43 Sampler Type:	PSV-39 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-44 Sampler Type:	PSV-39-dup Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-45 Sampler Type:	PSV-40 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-46 Sampler Type:	PSV-41 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-47 Sampler Type:	PSV-42 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-48 Sampler Type:	PSV-43 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-49 Sampler Type:	PSV-44 Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
0005131-50 Sampler Type:	PSV-44-dup Beacon Passive Sampler	03/04/2020	EPA 8260C	Soil Gas
Samples Received:	50			
Samples Analyzed:	50			

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Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Case Narrative

U.S. EPA Method 8260C

All samples were analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260C, with laboratory results provided in nanograms (ng) and micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were under BEACON's Quality Assurance Project Plan.

Passive Soil-Gas Survey Notes

If sample locations are covered with or near the edge of an impervious surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are higher than if the surfacing was not present. Therefore, the sample location conditions should be considered when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times).

Reporting Limits

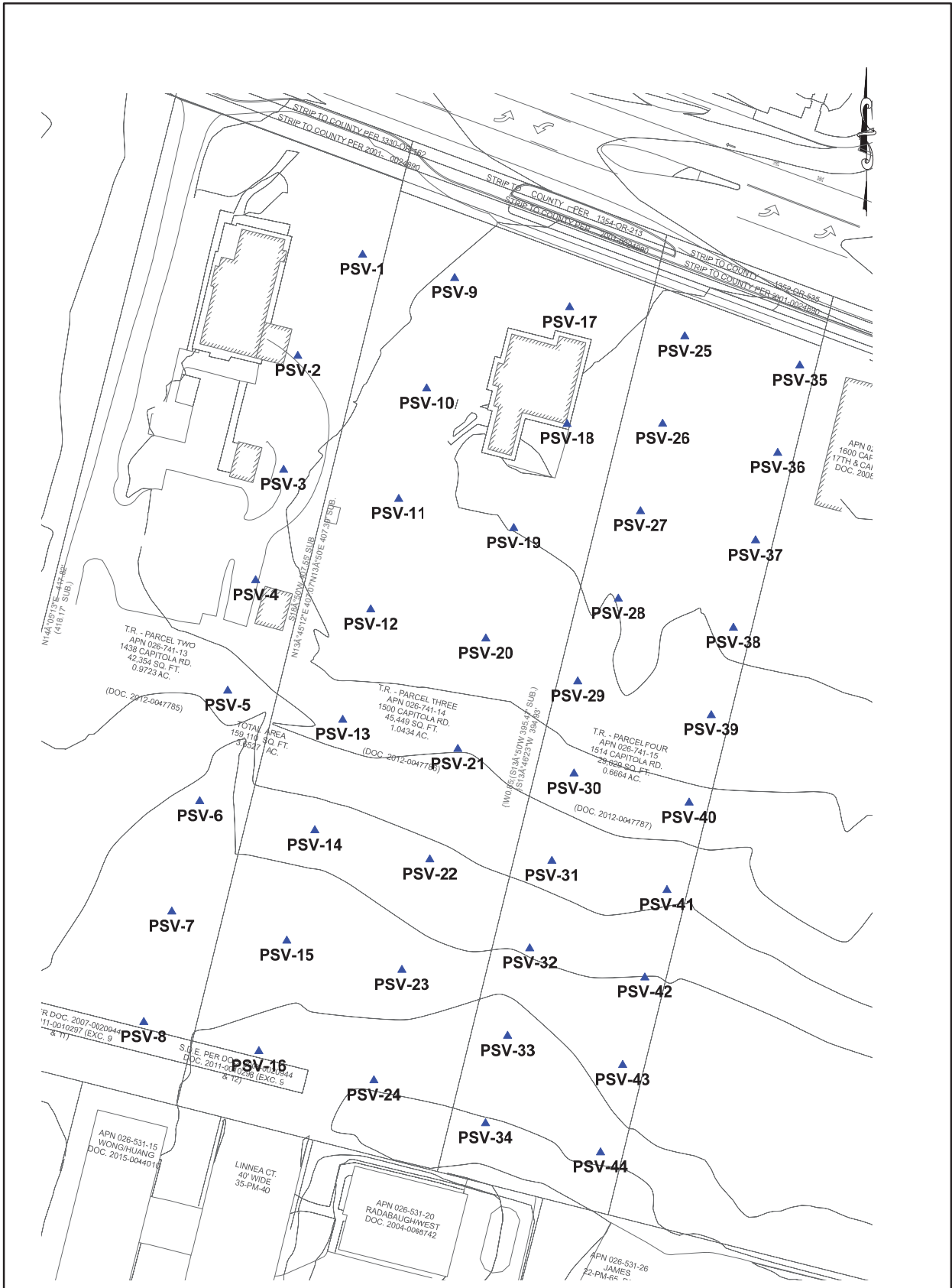
The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. Beacon performed dilution analysis when results exceeded the upper calibration limit, bringing all reported results within the calibration range. The project method quantitation limit (MQL) is the limit of quantitation (LOQ) as noted in the data tables. Beacon determined uptake rates for a suite of compounds with the Beacon sampler for sampling in air. Beacon calculated the uptake rates for the remaining compounds using Graham's Law of Diffusion. The reported data includes LOQ limits.

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

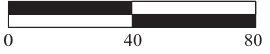
Analytical Results



LEGEND

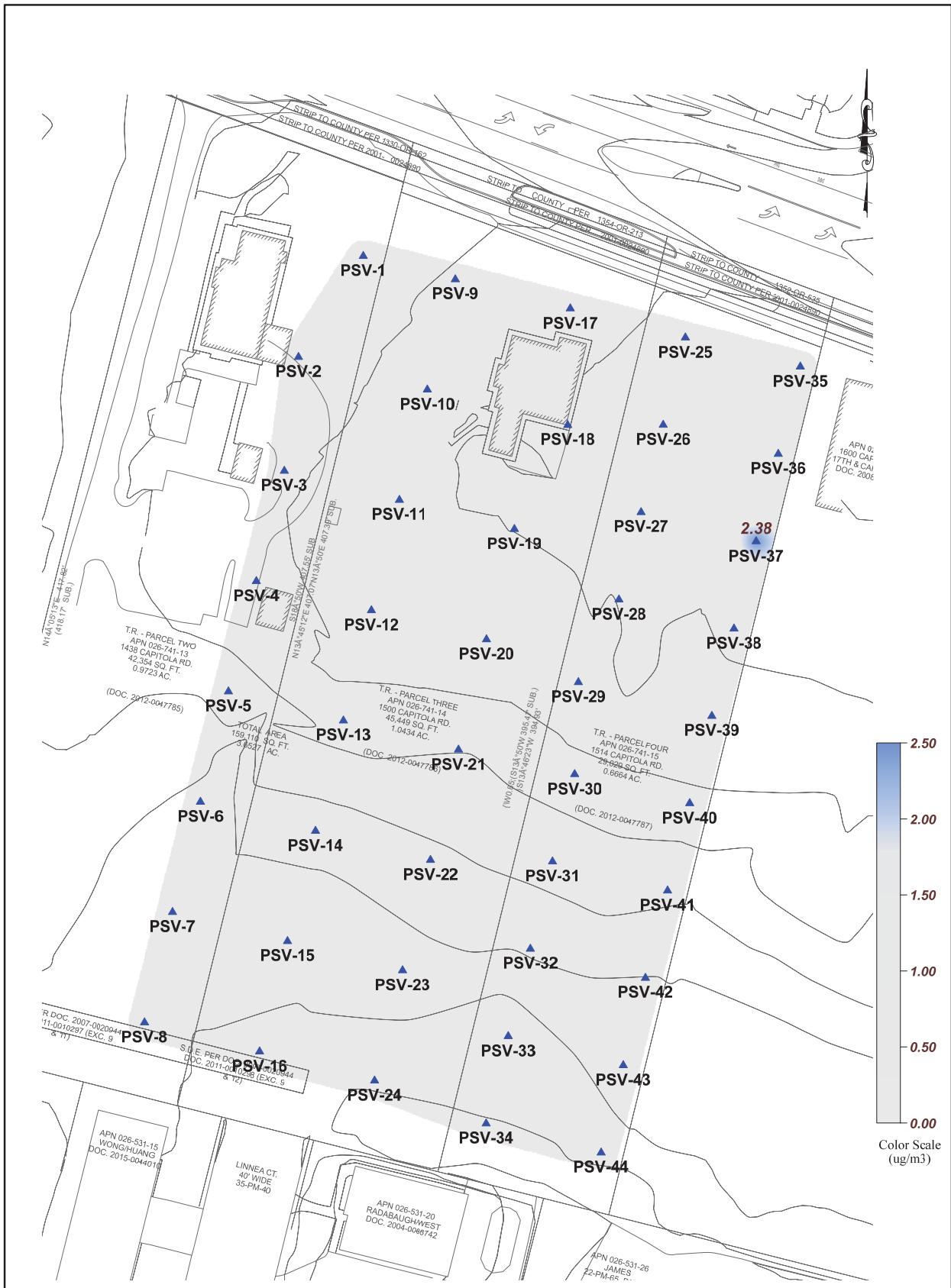
1,000 MICROGRAMS/CUBIC METER
 ▲ PSV-15 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet



BEACON ENVIRONMENTAL
 2203A Commerce Road, Suite 1, Forest Hill, MD 21050 USA
 www.Beacon-USA.com 1-410-838-8780
 Beacon Project No. 5131, March 2020

Figure 1
 Passive Soil-Gas Survey
 Sample Locations
 Santa Cruz Redevelopment Parcels
 Santa Cruz, CA



LEGEND

- 1,000 MICROGRAMS/CUBIC METER
- ▲ PSV-15 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

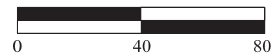
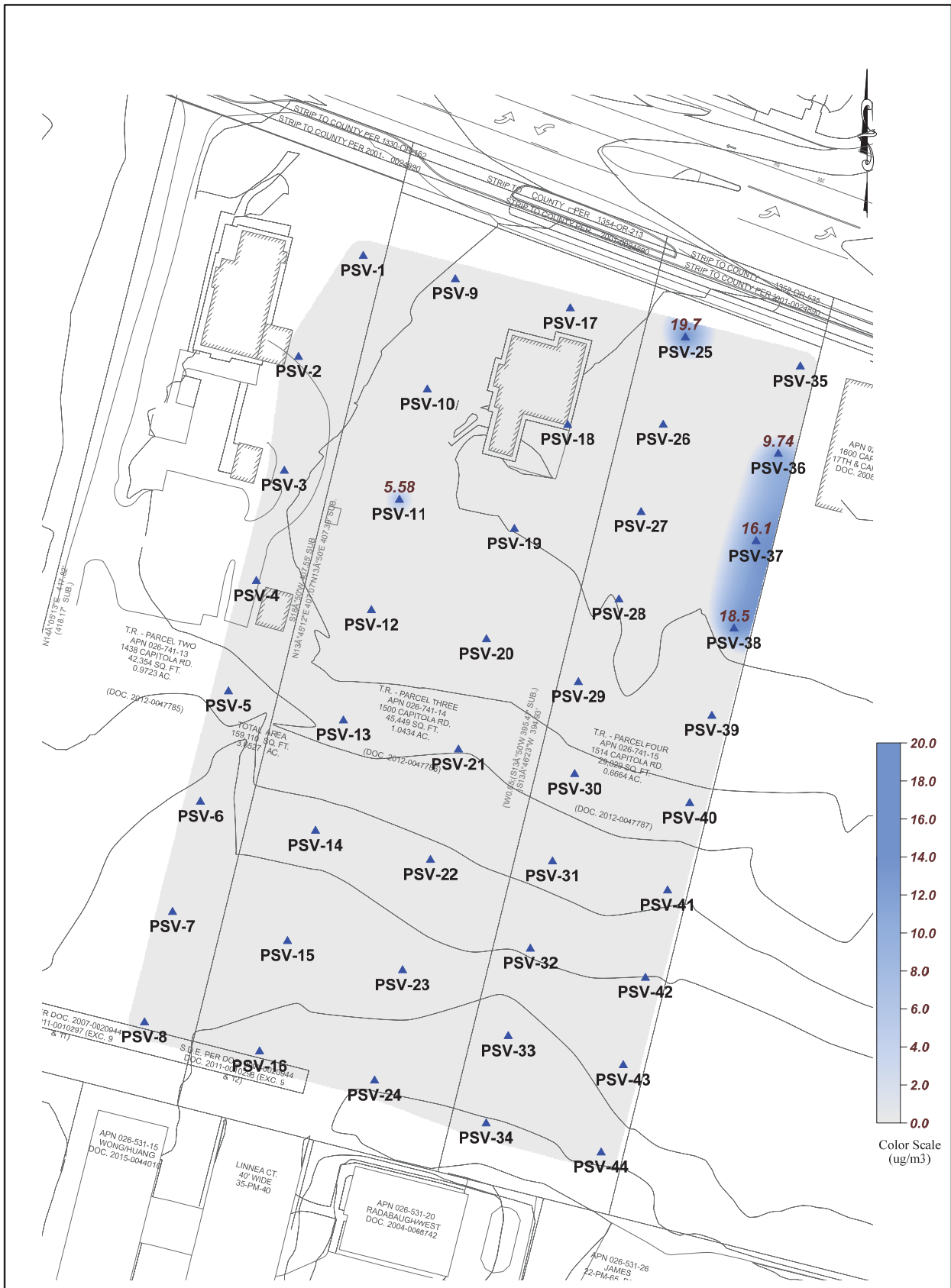


Figure 2
Passive Soil-Gas Survey
cis-1,2-Dichloromethene

Santa Cruz Redevelopment Parcels
Santa Cruz, CA



LEGEND

- 1,000 MICROGRAMS/CUBIC METER
- ▲ PSV-15 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

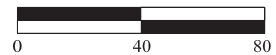
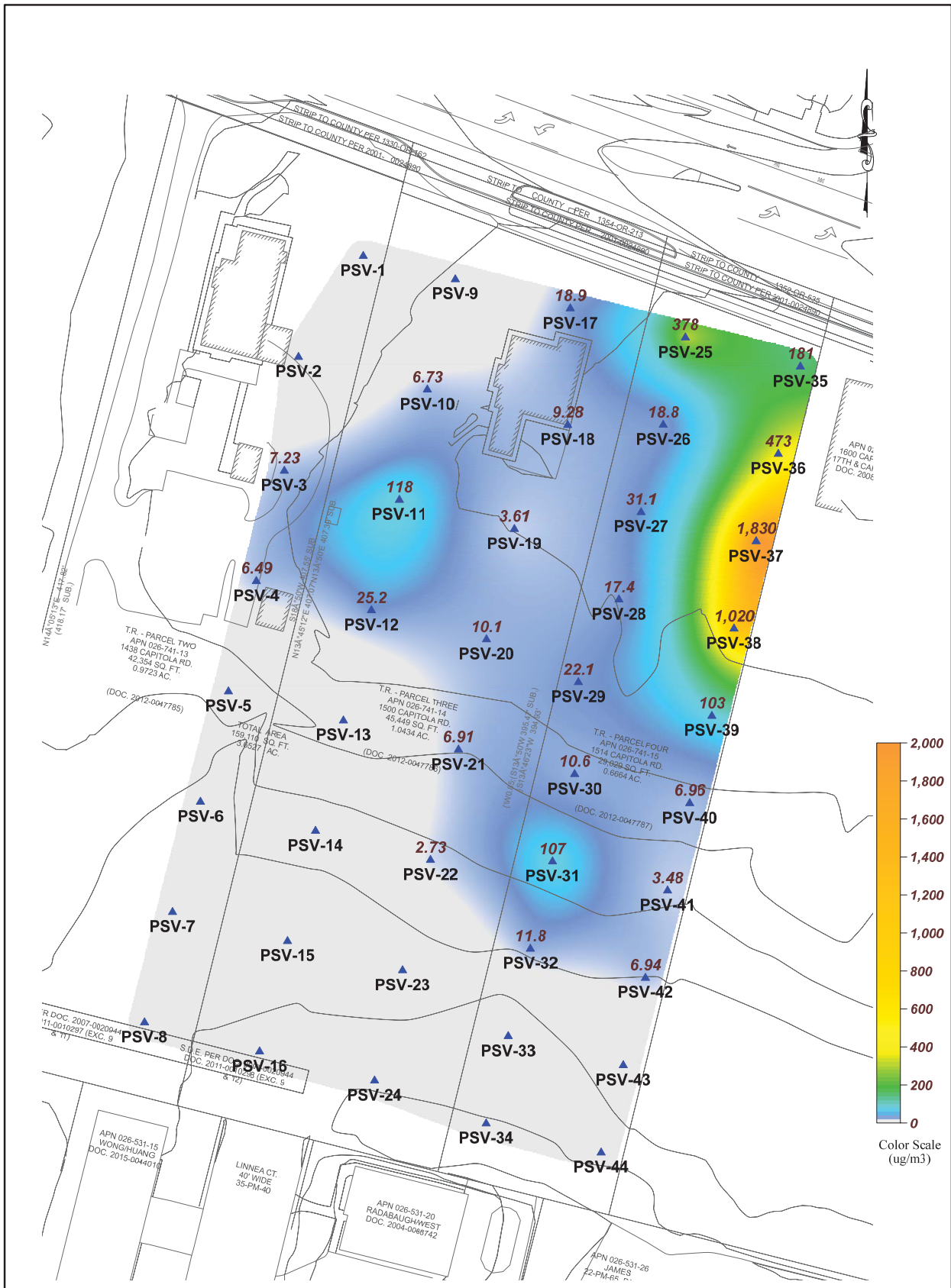


Figure 3
 Passive Soil-Gas Survey
 Trichloroethene
 Santa Cruz Redevelopment Parcels
 Santa Cruz, CA



LEGEND

1,000 MICROGRAMS/CUBIC METER

▲ PSV-15 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

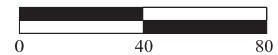


Figure 4
Passive Soil-Gas Survey
Tetrachloroethene

Santa Cruz Redevelopment Parcels
Santa Cruz, CA

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-05	PSV-3 Soil Gas	Method: EPA 8260C
---------------------------	--------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	30		10	S20030509.D

Lab Sample ID: 0005131-06	PSV-4 Soil Gas	Method: EPA 8260C
---------------------------	--------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	27		10	S20030510.D

Lab Sample ID: 0005131-12	PSV-10 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	28		10	S20030516.D

Lab Sample ID: 0005131-13	PSV-11 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Trichloroethene	79-01-6	19		10	S20030517.D
Tetrachloroethene	127-18-4	488		10	S20030517.D

Lab Sample ID: 0005131-14	PSV-12 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	104		10	S20030518.D

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-19	PSV-17 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	78		10	S20030523.D

Lab Sample ID: 0005131-20	PSV-18 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	38		10	S20030605.D

Lab Sample ID: 0005131-21	PSV-19 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	15		10	S20030606.D

Lab Sample ID: 0005131-22	PSV-20 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	42		10	S20030607.D

Lab Sample ID: 0005131-23	PSV-20-dup Soil Gas	Method: EPA 8260C
---------------------------	-------------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	45		10	S20030608.D

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-24	PSV-21 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	29		10	S20030609.D

Lab Sample ID: 0005131-25	PSV-22 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	11		10	S20030610.D

Lab Sample ID: 0005131-28	PSV-25 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Trichloroethene	79-01-6	68		10	S20030613.D
Tetrachloroethene	127-18-4	1560	D	93	S20030905.D

Lab Sample ID: 0005131-29	PSV-26 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	78		10	S20030614.D

Lab Sample ID: 0005131-30	PSV-27 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	129		10	S20030615.D

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 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-31	PSV-28 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	72		10	S20030616.D

Lab Sample ID: 0005131-32	PSV-29 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	92		10	S20030617.D

Lab Sample ID: 0005131-33	PSV-30 Soil Gas	Method: EPA 8260C
---------------------------	---------------------------	-------------------

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	44		10	S20030618.D

Lab Sample ID: 0005131-34	PSV-31 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	444		10	S20030619.D

Lab Sample ID: 0005131-35	PSV-32 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	49		10	S20030620.D

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-38	PSV-35 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	746		10	S20030623.D

Lab Sample ID: 0005131-39	PSV-35-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Trichloroethene	79-01-6	18		10	S20030624.D
Tetrachloroethene	127-18-4	993		10	S20030624.D

Lab Sample ID: 0005131-40	PSV-36 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Trichloroethene	79-01-6	33		10	S20030625.D
Tetrachloroethene	127-18-4	1950	D	93	S20030906.D

Lab Sample ID: 0005131-41	PSV-37 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
cis-1,2-Dichloroethene	156-59-2	13		10	S20030626.D
Trichloroethene	79-01-6	55		10	S20030626.D
Tetrachloroethene	127-18-4	7570	D	93	S20030907.D

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Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Mass

Lab Sample ID: 0005131-42	PSV-38 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Trichloroethene	79-01-6	64		10	S20030627.D
Tetrachloroethene	127-18-4	4230	D	93	S20030908.D

Lab Sample ID: 0005131-43	PSV-39 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	426		10	S20030628.D

Lab Sample ID: 0005131-44	PSV-39-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	334		10	S20030629.D

Lab Sample ID: 0005131-45	PSV-40 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	29		10	S20030630.D

Lab Sample ID: 0005131-46	PSV-41 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	14		10	S20030631.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Summary of Compound Detections- Mass

Lab Sample ID: 0005131-47	PSV-42 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	29		10	S20030632.D

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-05	PSV-3 Soil Gas		Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	7.23		2.42	S20030509.D

Lab Sample ID: 0005131-06	PSV-4 Soil Gas		Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	6.49		2.42	S20030510.D

Lab Sample ID: 0005131-12	PSV-10 Soil Gas		Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	6.73		2.42	S20030516.D

Lab Sample ID: 0005131-13	PSV-11 Soil Gas		Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Trichloroethene	79-01-6	5.58		2.92	S20030517.D
Tetrachloroethene	127-18-4	118		2.42	S20030517.D

Lab Sample ID: 0005131-14	PSV-12 Soil Gas		Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	25.2		2.42	S20030518.D

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Site Name: Santa Cruz Redevelopment Parcels
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Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-19	PSV-17 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	18.9		2.42	S20030523.D

Lab Sample ID: 0005131-20	PSV-18 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	9.28		2.42	S20030605.D

Lab Sample ID: 0005131-21	PSV-19 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	3.61		2.42	S20030606.D

Lab Sample ID: 0005131-22	PSV-20 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	10.1		2.42	S20030607.D

Lab Sample ID: 0005131-23	PSV-20-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	10.8		2.42	S20030608.D

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Site Name: Santa Cruz Redevelopment Parcels
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Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-24	PSV-21 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	6.91		2.42	S20030609.D

Lab Sample ID: 0005131-25	PSV-22 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	2.73		2.42	S20030610.D

Lab Sample ID: 0005131-28	PSV-25 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Trichloroethene	79-01-6	19.7		2.92	S20030613.D
Tetrachloroethene	127-18-4	378	D	22.6	S20030905.D

Lab Sample ID: 0005131-29	PSV-26 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	18.8		2.42	S20030614.D

Lab Sample ID: 0005131-30	PSV-27 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	31.1		2.42	S20030615.D

Weber, Hayes & Associates
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 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-31	PSV-28 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	17.4		2.42	S20030616.D

Lab Sample ID: 0005131-32	PSV-29 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	22.1		2.42	S20030617.D

Lab Sample ID: 0005131-33	PSV-30 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	10.6		2.42	S20030618.D

Lab Sample ID: 0005131-34	PSV-31 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	107		2.42	S20030619.D

Lab Sample ID: 0005131-35	PSV-32 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	11.8		2.42	S20030620.D

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-38	PSV-35 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	181		2.42	S20030623.D

Lab Sample ID: 0005131-39	PSV-35-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Trichloroethene	79-01-6	5.26		2.92	S20030624.D
Tetrachloroethene	127-18-4	240		2.42	S20030624.D

Lab Sample ID: 0005131-40	PSV-36 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Trichloroethene	79-01-6	9.74		2.92	S20030625.D
Tetrachloroethene	127-18-4	473	D	22.6	S20030906.D

Lab Sample ID: 0005131-41	PSV-37 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
cis-1,2-Dichloroethene	156-59-2	2.38		1.84	S20030626.D
Trichloroethene	79-01-6	16.1		2.92	S20030626.D
Tetrachloroethene	127-18-4	1830	D	22.6	S20030907.D

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-42	PSV-38 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Trichloroethene	79-01-6	18.5		2.92	S20030627.D
Tetrachloroethene	127-18-4	1020	D	22.6	S20030908.D

Lab Sample ID: 0005131-43	PSV-39 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	103		2.42	S20030628.D

Lab Sample ID: 0005131-44	PSV-39-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	80.7		2.42	S20030629.D

Lab Sample ID: 0005131-45	PSV-40 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	6.96		2.42	S20030630.D

Lab Sample ID: 0005131-46	PSV-41 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	3.48		2.42	S20030631.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Summary of Compound Detections- Concentration

Lab Sample ID: 0005131-47	PSV-42 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	File ID
Tetrachloroethene	127-18-4	6.94		2.42	S20030632.D

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 120 Westgate Drive
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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
cis-1,2-Dichloroethene	1	10	13
Trichloroethene	5	10	68
Tetrachloroethene	27	10	7,570

Data Summary Table- Concentration

Compound	Frequency	LOQ ($\mu\text{g}/\text{m}^3$)	Max Value ($\mu\text{g}/\text{m}^3$)
cis-1,2-Dichloroethene	1	1.84	2.38
Trichloroethene	5	2.92	19.7
Tetrachloroethene	27	2.42	1,830

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
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Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Detailed Analytical Results

Weber, Hayes & Associates
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Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Detailed Analytical Results- Mass

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-01	Trip 1	Method: EPA 8260C
	Air	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 12:06	S20030505.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 12:06	S20030505.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 12:06	S20030505.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 12:06	S20030505.D
Trichloroethene	79-01-6	<10		10	03/05/2020 12:06	S20030505.D
Tetrachloroethene	127-18-4	<10		10	03/05/2020 12:06	S20030505.D

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Lab Sample ID: 0005131-02	Trip 2	Method: EPA 8260C
	Air	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 12:30	S20030506.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 12:30	S20030506.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 12:30	S20030506.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 12:30	S20030506.D
Trichloroethene	79-01-6	<10		10	03/05/2020 12:30	S20030506.D
Tetrachloroethene	127-18-4	<10		10	03/05/2020 12:30	S20030506.D

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Lab Sample ID: 0005131-03	PSV-1 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/05/2020 12:54	S20030507.D
1,1-Dichloroethene	75-35-4	<10	10	03/05/2020 12:54	S20030507.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/05/2020 12:54	S20030507.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/05/2020 12:54	S20030507.D
Trichloroethene	79-01-6	<10	10	03/05/2020 12:54	S20030507.D
Tetrachloroethene	127-18-4	<10	10	03/05/2020 12:54	S20030507.D

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Lab Sample ID: 0005131-04	PSV-2 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/05/2020 13:18	S20030508.D
1,1-Dichloroethene	75-35-4	<10	10	03/05/2020 13:18	S20030508.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/05/2020 13:18	S20030508.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/05/2020 13:18	S20030508.D
Trichloroethene	79-01-6	<10	10	03/05/2020 13:18	S20030508.D
Tetrachloroethene	127-18-4	<10	10	03/05/2020 13:18	S20030508.D

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Lab Sample ID: 0005131-05	PSV-3 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 13:43	S20030509.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 13:43	S20030509.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 13:43	S20030509.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 13:43	S20030509.D
Trichloroethene	79-01-6	<10		10	03/05/2020 13:43	S20030509.D
Tetrachloroethene	127-18-4	30		10	03/05/2020 13:43	S20030509.D

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Lab Sample ID: 0005131-06	PSV-4 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 14:07	S20030510.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 14:07	S20030510.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 14:07	S20030510.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 14:07	S20030510.D
Trichloroethene	79-01-6	<10		10	03/05/2020 14:07	S20030510.D
Tetrachloroethene	127-18-4	27		10	03/05/2020 14:07	S20030510.D

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Lab Sample ID: 0005131-07	PSV-5 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/05/2020 14:31	S20030511.D
1,1-Dichloroethene	75-35-4	<10	10	03/05/2020 14:31	S20030511.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/05/2020 14:31	S20030511.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/05/2020 14:31	S20030511.D
Trichloroethene	79-01-6	<10	10	03/05/2020 14:31	S20030511.D
Tetrachloroethene	127-18-4	<10	10	03/05/2020 14:31	S20030511.D

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Lab Sample ID: 0005131-08	PSV-6 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 14:56	S20030512.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 14:56	S20030512.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 14:56	S20030512.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 14:56	S20030512.D
Trichloroethene	79-01-6	<10		10	03/05/2020 14:56	S20030512.D
Tetrachloroethene	127-18-4	<10		10	03/05/2020 14:56	S20030512.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-09	PSV-7 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/05/2020 15:21	S20030513.D
1,1-Dichloroethene	75-35-4	<10	10	03/05/2020 15:21	S20030513.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/05/2020 15:21	S20030513.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/05/2020 15:21	S20030513.D
Trichloroethene	79-01-6	<10	10	03/05/2020 15:21	S20030513.D
Tetrachloroethene	127-18-4	<10	10	03/05/2020 15:21	S20030513.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-10	PSV-8 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 15:45	S20030514.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 15:45	S20030514.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 15:45	S20030514.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 15:45	S20030514.D
Trichloroethene	79-01-6	<10		10	03/05/2020 15:45	S20030514.D
Tetrachloroethene	127-18-4	<10		10	03/05/2020 15:45	S20030514.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-11	PSV-9 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/05/2020 16:09	S20030515.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 16:09	S20030515.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 16:09	S20030515.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 16:09	S20030515.D
Trichloroethene	79-01-6	<10		10	03/05/2020 16:09	S20030515.D
Tetrachloroethene	127-18-4	<10		10	03/05/2020 16:09	S20030515.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-12	PSV-10	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/05/2020 16:33	S20030516.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 16:33	S20030516.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 16:33	S20030516.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 16:33	S20030516.D
Trichloroethene	79-01-6	<10		10	03/05/2020 16:33	S20030516.D
Tetrachloroethene	127-18-4	28		10	03/05/2020 16:33	S20030516.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-13	PSV-11 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 16:57	S20030517.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 16:57	S20030517.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 16:57	S20030517.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 16:57	S20030517.D
Trichloroethene	79-01-6	19		10	03/05/2020 16:57	S20030517.D
Tetrachloroethene	127-18-4	488		10	03/05/2020 16:57	S20030517.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-14	PSV-12 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/05/2020 17:22	S20030518.D
1,1-Dichloroethene	75-35-4	<10		10	03/05/2020 17:22	S20030518.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/05/2020 17:22	S20030518.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/05/2020 17:22	S20030518.D
Trichloroethene	79-01-6	<10		10	03/05/2020 17:22	S20030518.D
Tetrachloroethene	127-18-4	104		10	03/05/2020 17:22	S20030518.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-15	PSV-13 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/06/2020 08:56	S20030519.D
1,1-Dichloroethene	75-35-4	<10	10	03/06/2020 08:56	S20030519.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/06/2020 08:56	S20030519.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/06/2020 08:56	S20030519.D
Trichloroethene	79-01-6	<10	10	03/06/2020 08:56	S20030519.D
Tetrachloroethene	127-18-4	<10	10	03/06/2020 08:56	S20030519.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-16	PSV-14 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 09:27	S20030520.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 09:27	S20030520.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 09:27	S20030520.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 09:27	S20030520.D
Trichloroethene	79-01-6	<10		10	03/06/2020 09:27	S20030520.D
Tetrachloroethene	127-18-4	<10		10	03/06/2020 09:27	S20030520.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-17	PSV-15 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/06/2020 09:52	S20030521.D
1,1-Dichloroethene	75-35-4	<10	10	03/06/2020 09:52	S20030521.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/06/2020 09:52	S20030521.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/06/2020 09:52	S20030521.D
Trichloroethene	79-01-6	<10	10	03/06/2020 09:52	S20030521.D
Tetrachloroethene	127-18-4	<10	10	03/06/2020 09:52	S20030521.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-18	PSV-16 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/06/2020 10:16	S20030522.D
1,1-Dichloroethene	75-35-4	<10	10	03/06/2020 10:16	S20030522.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/06/2020 10:16	S20030522.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/06/2020 10:16	S20030522.D
Trichloroethene	79-01-6	<10	10	03/06/2020 10:16	S20030522.D
Tetrachloroethene	127-18-4	<10	10	03/06/2020 10:16	S20030522.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-19	PSV-17 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 10:44	S20030523.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 10:44	S20030523.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 10:44	S20030523.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 10:44	S20030523.D
Trichloroethene	79-01-6	<10		10	03/06/2020 10:44	S20030523.D
Tetrachloroethene	127-18-4	78		10	03/06/2020 10:44	S20030523.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-20	PSV-18	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 12:58	S20030605.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 12:58	S20030605.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 12:58	S20030605.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 12:58	S20030605.D
Trichloroethene	79-01-6	<10		10	03/06/2020 12:58	S20030605.D
Tetrachloroethene	127-18-4	38		10	03/06/2020 12:58	S20030605.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-21	PSV-19	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 13:23	S20030606.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 13:23	S20030606.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 13:23	S20030606.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 13:23	S20030606.D
Trichloroethene	79-01-6	<10		10	03/06/2020 13:23	S20030606.D
Tetrachloroethene	127-18-4	15		10	03/06/2020 13:23	S20030606.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-22	PSV-20	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 13:47	S20030607.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 13:47	S20030607.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 13:47	S20030607.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 13:47	S20030607.D
Trichloroethene	79-01-6	<10		10	03/06/2020 13:47	S20030607.D
Tetrachloroethene	127-18-4	42		10	03/06/2020 13:47	S20030607.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-23	PSV-20-dup Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 14:12	S20030608.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 14:12	S20030608.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 14:12	S20030608.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 14:12	S20030608.D
Trichloroethene	79-01-6	<10		10	03/06/2020 14:12	S20030608.D
Tetrachloroethene	127-18-4	45		10	03/06/2020 14:12	S20030608.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-24	PSV-21 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 14:37	S20030609.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 14:37	S20030609.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 14:37	S20030609.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 14:37	S20030609.D
Trichloroethene	79-01-6	<10		10	03/06/2020 14:37	S20030609.D
Tetrachloroethene	127-18-4	29		10	03/06/2020 14:37	S20030609.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-25	PSV-22	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 15:01	S20030610.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 15:01	S20030610.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 15:01	S20030610.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 15:01	S20030610.D
Trichloroethene	79-01-6	<10		10	03/06/2020 15:01	S20030610.D
Tetrachloroethene	127-18-4	11		10	03/06/2020 15:01	S20030610.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-26	PSV-23	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 15:26	S20030611.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 15:26	S20030611.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 15:26	S20030611.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 15:26	S20030611.D
Trichloroethene	79-01-6	<10		10	03/06/2020 15:26	S20030611.D
Tetrachloroethene	127-18-4	<10		10	03/06/2020 15:26	S20030611.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-27	PSV-24	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 15:50	S20030612.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 15:50	S20030612.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 15:50	S20030612.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 15:50	S20030612.D
Trichloroethene	79-01-6	<10		10	03/06/2020 15:50	S20030612.D
Tetrachloroethene	127-18-4	<10		10	03/06/2020 15:50	S20030612.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-28	PSV-25 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 16:15	S20030613.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 16:15	S20030613.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 16:15	S20030613.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 16:15	S20030613.D
Trichloroethene	79-01-6	68		10	03/06/2020 16:15	S20030613.D
Tetrachloroethene	127-18-4	1560	D	93	03/09/2020 11:52	S20030905.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-29	PSV-26	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 16:39	S20030614.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 16:39	S20030614.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 16:39	S20030614.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 16:39	S20030614.D
Trichloroethene	79-01-6	<10		10	03/06/2020 16:39	S20030614.D
Tetrachloroethene	127-18-4	78		10	03/06/2020 16:39	S20030614.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-30	PSV-27	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 17:04	S20030615.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 17:04	S20030615.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 17:04	S20030615.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 17:04	S20030615.D
Trichloroethene	79-01-6	<10		10	03/06/2020 17:04	S20030615.D
Tetrachloroethene	127-18-4	129		10	03/06/2020 17:04	S20030615.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-31	PSV-28	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 17:29	S20030616.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 17:29	S20030616.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 17:29	S20030616.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 17:29	S20030616.D
Trichloroethene	79-01-6	<10		10	03/06/2020 17:29	S20030616.D
Tetrachloroethene	127-18-4	72		10	03/06/2020 17:29	S20030616.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-32	PSV-29	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 17:53	S20030617.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 17:53	S20030617.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 17:53	S20030617.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 17:53	S20030617.D
Trichloroethene	79-01-6	<10		10	03/06/2020 17:53	S20030617.D
Tetrachloroethene	127-18-4	92		10	03/06/2020 17:53	S20030617.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-33	PSV-30	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 18:18	S20030618.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 18:18	S20030618.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 18:18	S20030618.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 18:18	S20030618.D
Trichloroethene	79-01-6	<10		10	03/06/2020 18:18	S20030618.D
Tetrachloroethene	127-18-4	44		10	03/06/2020 18:18	S20030618.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-34	PSV-31	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 18:43	S20030619.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 18:43	S20030619.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 18:43	S20030619.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 18:43	S20030619.D
Trichloroethene	79-01-6	<10		10	03/06/2020 18:43	S20030619.D
Tetrachloroethene	127-18-4	444		10	03/06/2020 18:43	S20030619.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-35	PSV-32	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 19:06	S20030620.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 19:06	S20030620.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 19:06	S20030620.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 19:06	S20030620.D
Trichloroethene	79-01-6	<10		10	03/06/2020 19:06	S20030620.D
Tetrachloroethene	127-18-4	49		10	03/06/2020 19:06	S20030620.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-36	PSV-33	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 19:32	S20030621.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 19:32	S20030621.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 19:32	S20030621.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 19:32	S20030621.D
Trichloroethene	79-01-6	<10		10	03/06/2020 19:32	S20030621.D
Tetrachloroethene	127-18-4	<10		10	03/06/2020 19:32	S20030621.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-37	PSV-34 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 19:56	S20030622.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 19:56	S20030622.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 19:56	S20030622.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 19:56	S20030622.D
Trichloroethene	79-01-6	<10		10	03/06/2020 19:56	S20030622.D
Tetrachloroethene	127-18-4	<10		10	03/06/2020 19:56	S20030622.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-38	PSV-35	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 20:20	S20030623.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 20:20	S20030623.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 20:20	S20030623.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 20:20	S20030623.D
Trichloroethene	79-01-6	<10		10	03/06/2020 20:20	S20030623.D
Tetrachloroethene	127-18-4	746		10	03/06/2020 20:20	S20030623.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-39	PSV-35-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 20:44	S20030624.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 20:44	S20030624.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 20:44	S20030624.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 20:44	S20030624.D
Trichloroethene	79-01-6	18		10	03/06/2020 20:44	S20030624.D
Tetrachloroethene	127-18-4	993		10	03/06/2020 20:44	S20030624.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-40	PSV-36	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 21:09	S20030625.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 21:09	S20030625.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 21:09	S20030625.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 21:09	S20030625.D
Trichloroethene	79-01-6	33		10	03/06/2020 21:09	S20030625.D
Tetrachloroethene	127-18-4	1950	D	93	03/09/2020 12:16	S20030906.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-41	PSV-37	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 21:34	S20030626.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 21:34	S20030626.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 21:34	S20030626.D
cis-1,2-Dichloroethene	156-59-2	13		10	03/06/2020 21:34	S20030626.D
Trichloroethene	79-01-6	55		10	03/06/2020 21:34	S20030626.D
Tetrachloroethene	127-18-4	7570	D	93	03/09/2020 12:40	S20030907.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-42	PSV-38	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 21:58	S20030627.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 21:58	S20030627.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 21:58	S20030627.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 21:58	S20030627.D
Trichloroethene	79-01-6	64		10	03/06/2020 21:58	S20030627.D
Tetrachloroethene	127-18-4	4230	D	93	03/09/2020 13:06	S20030908.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-43	PSV-39	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 22:23	S20030628.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 22:23	S20030628.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 22:23	S20030628.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 22:23	S20030628.D
Trichloroethene	79-01-6	<10		10	03/06/2020 22:23	S20030628.D
Tetrachloroethene	127-18-4	426		10	03/06/2020 22:23	S20030628.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-44	PSV-39-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	03/06/2020 22:47	S20030629.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 22:47	S20030629.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 22:47	S20030629.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 22:47	S20030629.D
Trichloroethene	79-01-6	<10		10	03/06/2020 22:47	S20030629.D
Tetrachloroethene	127-18-4	334		10	03/06/2020 22:47	S20030629.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-45	PSV-40 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/06/2020 23:12	S20030630.D
1,1-Dichloroethene	75-35-4	<10	10	03/06/2020 23:12	S20030630.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/06/2020 23:12	S20030630.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/06/2020 23:12	S20030630.D
Trichloroethene	79-01-6	<10	10	03/06/2020 23:12	S20030630.D
Tetrachloroethene	127-18-4	29	10	03/06/2020 23:12	S20030630.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-46	PSV-41	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/06/2020 23:37	S20030631.D
1,1-Dichloroethene	75-35-4	<10		10	03/06/2020 23:37	S20030631.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/06/2020 23:37	S20030631.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/06/2020 23:37	S20030631.D
Trichloroethene	79-01-6	<10		10	03/06/2020 23:37	S20030631.D
Tetrachloroethene	127-18-4		14	10	03/06/2020 23:37	S20030631.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-47	PSV-42	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/07/2020 00:02	S20030632.D
1,1-Dichloroethene	75-35-4	<10	10	03/07/2020 00:02	S20030632.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/07/2020 00:02	S20030632.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/07/2020 00:02	S20030632.D
Trichloroethene	79-01-6	<10	10	03/07/2020 00:02	S20030632.D
Tetrachloroethene	127-18-4	29	10	03/07/2020 00:02	S20030632.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-48	PSV-43	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/07/2020 00:26	S20030633.D
1,1-Dichloroethene	75-35-4	<10		10	03/07/2020 00:26	S20030633.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/07/2020 00:26	S20030633.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/07/2020 00:26	S20030633.D
Trichloroethene	79-01-6	<10		10	03/07/2020 00:26	S20030633.D
Tetrachloroethene	127-18-4	<10		10	03/07/2020 00:26	S20030633.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-49	PSV-44 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10	10	03/07/2020 00:50	S20030634.D
1,1-Dichloroethene	75-35-4	<10	10	03/07/2020 00:50	S20030634.D
trans-1,2-Dichloroethene	156-60-5	<10	10	03/07/2020 00:50	S20030634.D
cis-1,2-Dichloroethene	156-59-2	<10	10	03/07/2020 00:50	S20030634.D
Trichloroethene	79-01-6	<10	10	03/07/2020 00:50	S20030634.D
Tetrachloroethene	127-18-4	<10	10	03/07/2020 00:50	S20030634.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-50	PSV-44-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	03/07/2020 01:14	S20030635.D
1,1-Dichloroethene	75-35-4	<10		10	03/07/2020 01:14	S20030635.D
trans-1,2-Dichloroethene	156-60-5	<10		10	03/07/2020 01:14	S20030635.D
cis-1,2-Dichloroethene	156-59-2	<10		10	03/07/2020 01:14	S20030635.D
Trichloroethene	79-01-6	<10		10	03/07/2020 01:14	S20030635.D
Tetrachloroethene	127-18-4	<10		10	03/07/2020 01:14	S20030635.D

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Detailed Analytical Results- Concentration

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-01	Trip 1	Method: EPA 8260C
	Air	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 12:06	S20030505.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 12:06	S20030505.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 12:06	S20030505.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 12:06	S20030505.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 12:06	S20030505.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 12:06	S20030505.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-02	Trip 2	Method: EPA 8260C
	Air	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 12:30	S20030506.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 12:30	S20030506.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 12:30	S20030506.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 12:30	S20030506.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 12:30	S20030506.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 12:30	S20030506.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-03	PSV-1 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 12:54	S20030507.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 12:54	S20030507.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 12:54	S20030507.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 12:54	S20030507.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 12:54	S20030507.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 12:54	S20030507.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-04	PSV-2 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 13:18	S20030508.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 13:18	S20030508.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 13:18	S20030508.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 13:18	S20030508.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 13:18	S20030508.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 13:18	S20030508.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-05	PSV-3 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 13:43	S20030509.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 13:43	S20030509.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 13:43	S20030509.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 13:43	S20030509.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 13:43	S20030509.D
Tetrachloroethene	127-18-4	7.23		2.42	03/05/2020 13:43	S20030509.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-06	PSV-4 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 14:07	S20030510.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 14:07	S20030510.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 14:07	S20030510.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 14:07	S20030510.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 14:07	S20030510.D
Tetrachloroethene	127-18-4	6.49		2.42	03/05/2020 14:07	S20030510.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-07	PSV-5 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 14:31	S20030511.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 14:31	S20030511.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 14:31	S20030511.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 14:31	S20030511.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 14:31	S20030511.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 14:31	S20030511.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-08	PSV-6 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 14:56	S20030512.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 14:56	S20030512.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 14:56	S20030512.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 14:56	S20030512.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 14:56	S20030512.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 14:56	S20030512.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-09	PSV-7	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 15:21	S20030513.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 15:21	S20030513.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 15:21	S20030513.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 15:21	S20030513.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 15:21	S20030513.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 15:21	S20030513.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-10	PSV-8 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 15:45	S20030514.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 15:45	S20030514.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 15:45	S20030514.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 15:45	S20030514.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 15:45	S20030514.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 15:45	S20030514.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-11	PSV-9 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 16:09	S20030515.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 16:09	S20030515.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 16:09	S20030515.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 16:09	S20030515.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 16:09	S20030515.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/05/2020 16:09	S20030515.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-12	PSV-10	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 16:33	S20030516.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 16:33	S20030516.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 16:33	S20030516.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 16:33	S20030516.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 16:33	S20030516.D
Tetrachloroethene	127-18-4	6.73		2.42	03/05/2020 16:33	S20030516.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-13	PSV-11 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 16:57	S20030517.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 16:57	S20030517.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 16:57	S20030517.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 16:57	S20030517.D
Trichloroethene	79-01-6	5.58		2.92	03/05/2020 16:57	S20030517.D
Tetrachloroethene	127-18-4	118		2.42	03/05/2020 16:57	S20030517.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-14	PSV-12 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/05/2020 17:22	S20030518.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/05/2020 17:22	S20030518.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/05/2020 17:22	S20030518.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/05/2020 17:22	S20030518.D
Trichloroethene	79-01-6	<2.92		2.92	03/05/2020 17:22	S20030518.D
Tetrachloroethene	127-18-4	25.2		2.42	03/05/2020 17:22	S20030518.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-15	PSV-13 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 08:56	S20030519.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 08:56	S20030519.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 08:56	S20030519.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 08:56	S20030519.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 08:56	S20030519.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 08:56	S20030519.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-16	PSV-14 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 09:27	S20030520.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 09:27	S20030520.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 09:27	S20030520.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 09:27	S20030520.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 09:27	S20030520.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 09:27	S20030520.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-17	PSV-15 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 09:52	S20030521.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 09:52	S20030521.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 09:52	S20030521.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 09:52	S20030521.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 09:52	S20030521.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 09:52	S20030521.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-18	PSV-16 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 10:16	S20030522.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 10:16	S20030522.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 10:16	S20030522.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 10:16	S20030522.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 10:16	S20030522.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 10:16	S20030522.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-19	PSV-17	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 10:44	S20030523.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 10:44	S20030523.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 10:44	S20030523.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 10:44	S20030523.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 10:44	S20030523.D
Tetrachloroethene	127-18-4	18.9		2.42	03/06/2020 10:44	S20030523.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-20	PSV-18 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 12:58	S20030605.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 12:58	S20030605.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 12:58	S20030605.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 12:58	S20030605.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 12:58	S20030605.D
Tetrachloroethene	127-18-4	9.28		2.42	03/06/2020 12:58	S20030605.D

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

 Lab Sample ID: 0005131-21 **PSV-19** Method: EPA 8260C
 Soil Gas

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 13:23	S20030606.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 13:23	S20030606.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 13:23	S20030606.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 13:23	S20030606.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 13:23	S20030606.D
Tetrachloroethene	127-18-4	3.61		2.42	03/06/2020 13:23	S20030606.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-22	PSV-20	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 13:47	S20030607.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 13:47	S20030607.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 13:47	S20030607.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 13:47	S20030607.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 13:47	S20030607.D
Tetrachloroethene	127-18-4	10.1		2.42	03/06/2020 13:47	S20030607.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-23	PSV-20-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 14:12	S20030608.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 14:12	S20030608.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 14:12	S20030608.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 14:12	S20030608.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 14:12	S20030608.D
Tetrachloroethene	127-18-4	10.8		2.42	03/06/2020 14:12	S20030608.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-24	PSV-21	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 14:37	S20030609.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 14:37	S20030609.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 14:37	S20030609.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 14:37	S20030609.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 14:37	S20030609.D
Tetrachloroethene	127-18-4	6.91		2.42	03/06/2020 14:37	S20030609.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-25	PSV-22	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 15:01	S20030610.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 15:01	S20030610.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 15:01	S20030610.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 15:01	S20030610.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 15:01	S20030610.D
Tetrachloroethene	127-18-4	2.73		2.42	03/06/2020 15:01	S20030610.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-26	PSV-23	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 15:26	S20030611.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 15:26	S20030611.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 15:26	S20030611.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 15:26	S20030611.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 15:26	S20030611.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 15:26	S20030611.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-27	PSV-24 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 15:50	S20030612.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 15:50	S20030612.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 15:50	S20030612.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 15:50	S20030612.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 15:50	S20030612.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 15:50	S20030612.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-28	PSV-25 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 16:15	S20030613.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 16:15	S20030613.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 16:15	S20030613.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 16:15	S20030613.D
Trichloroethene	79-01-6	19.7		2.92	03/06/2020 16:15	S20030613.D
Tetrachloroethene	127-18-4	378	D	22.6	03/09/2020 11:52	S20030905.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-29	PSV-26	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 16:39	S20030614.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 16:39	S20030614.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 16:39	S20030614.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 16:39	S20030614.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 16:39	S20030614.D
Tetrachloroethene	127-18-4	18.8		2.42	03/06/2020 16:39	S20030614.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-30	PSV-27	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 17:04	S20030615.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 17:04	S20030615.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 17:04	S20030615.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 17:04	S20030615.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 17:04	S20030615.D
Tetrachloroethene	127-18-4	31.1		2.42	03/06/2020 17:04	S20030615.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-31	PSV-28	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 17:29	S20030616.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 17:29	S20030616.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 17:29	S20030616.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 17:29	S20030616.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 17:29	S20030616.D
Tetrachloroethene	127-18-4	17.4		2.42	03/06/2020 17:29	S20030616.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-32	PSV-29 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 17:53	S20030617.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 17:53	S20030617.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 17:53	S20030617.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 17:53	S20030617.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 17:53	S20030617.D
Tetrachloroethene	127-18-4	22.1		2.42	03/06/2020 17:53	S20030617.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-33	PSV-30	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 18:18	S20030618.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 18:18	S20030618.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 18:18	S20030618.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 18:18	S20030618.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 18:18	S20030618.D
Tetrachloroethene	127-18-4	10.6		2.42	03/06/2020 18:18	S20030618.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-34	PSV-31	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 18:43	S20030619.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 18:43	S20030619.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 18:43	S20030619.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 18:43	S20030619.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 18:43	S20030619.D
Tetrachloroethene	127-18-4	107		2.42	03/06/2020 18:43	S20030619.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-35	PSV-32	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 19:06	S20030620.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 19:06	S20030620.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 19:06	S20030620.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 19:06	S20030620.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 19:06	S20030620.D
Tetrachloroethene	127-18-4	11.8		2.42	03/06/2020 19:06	S20030620.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-36	PSV-33 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 19:32	S20030621.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 19:32	S20030621.D
trans-1,2-Dichloroethene	156-60-5	<2.26		2.26	03/06/2020 19:32	S20030621.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 19:32	S20030621.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 19:32	S20030621.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 19:32	S20030621.D

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Lab Sample ID: 0005131-37

PSV-34

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 19:56	S20030622.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 19:56	S20030622.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 19:56	S20030622.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 19:56	S20030622.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 19:56	S20030622.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/06/2020 19:56	S20030622.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-38	PSV-35 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 20:20	S20030623.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 20:20	S20030623.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 20:20	S20030623.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 20:20	S20030623.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 20:20	S20030623.D
Tetrachloroethene	127-18-4	181		2.42	03/06/2020 20:20	S20030623.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-39	PSV-35-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 20:44	S20030624.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 20:44	S20030624.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 20:44	S20030624.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 20:44	S20030624.D
Trichloroethene	79-01-6	5.26		2.92	03/06/2020 20:44	S20030624.D
Tetrachloroethene	127-18-4	240		2.42	03/06/2020 20:44	S20030624.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-40	PSV-36 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 21:09	S20030625.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 21:09	S20030625.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 21:09	S20030625.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 21:09	S20030625.D
Trichloroethene	79-01-6	9.74		2.92	03/06/2020 21:09	S20030625.D
Tetrachloroethene	127-18-4	473	D	22.6	03/09/2020 12:16	S20030906.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-41	PSV-37	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 21:34	S20030626.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 21:34	S20030626.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 21:34	S20030626.D
cis-1,2-Dichloroethene	156-59-2	2.38		1.84	03/06/2020 21:34	S20030626.D
Trichloroethene	79-01-6	16.1		2.92	03/06/2020 21:34	S20030626.D
Tetrachloroethene	127-18-4	1830	D	22.6	03/09/2020 12:40	S20030907.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-42	PSV-38	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 21:58	S20030627.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 21:58	S20030627.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 21:58	S20030627.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 21:58	S20030627.D
Trichloroethene	79-01-6	18.5		2.92	03/06/2020 21:58	S20030627.D
Tetrachloroethene	127-18-4	1020	D	22.6	03/09/2020 13:06	S20030908.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-43	PSV-39	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 22:23	S20030628.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 22:23	S20030628.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 22:23	S20030628.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 22:23	S20030628.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 22:23	S20030628.D
Tetrachloroethene	127-18-4	103		2.42	03/06/2020 22:23	S20030628.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-44	PSV-39-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 22:47	S20030629.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 22:47	S20030629.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 22:47	S20030629.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 22:47	S20030629.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 22:47	S20030629.D
Tetrachloroethene	127-18-4	80.7		2.42	03/06/2020 22:47	S20030629.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-45	PSV-40 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 23:12	S20030630.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 23:12	S20030630.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 23:12	S20030630.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 23:12	S20030630.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 23:12	S20030630.D
Tetrachloroethene	127-18-4	6.96		2.42	03/06/2020 23:12	S20030630.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-46	PSV-41	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/06/2020 23:37	S20030631.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/06/2020 23:37	S20030631.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/06/2020 23:37	S20030631.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/06/2020 23:37	S20030631.D
Trichloroethene	79-01-6	<2.92		2.92	03/06/2020 23:37	S20030631.D
Tetrachloroethene	127-18-4	3.48		2.42	03/06/2020 23:37	S20030631.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-47	PSV-42	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/07/2020 00:02	S20030632.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/07/2020 00:02	S20030632.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/07/2020 00:02	S20030632.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/07/2020 00:02	S20030632.D
Trichloroethene	79-01-6	<2.92		2.92	03/07/2020 00:02	S20030632.D
Tetrachloroethene	127-18-4	6.94		2.42	03/07/2020 00:02	S20030632.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-48	PSV-43 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/07/2020 00:26	S20030633.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/07/2020 00:26	S20030633.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/07/2020 00:26	S20030633.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/07/2020 00:26	S20030633.D
Trichloroethene	79-01-6	<2.92		2.92	03/07/2020 00:26	S20030633.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/07/2020 00:26	S20030633.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-49	PSV-44 Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/07/2020 00:50	S20030634.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/07/2020 00:50	S20030634.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/07/2020 00:50	S20030634.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/07/2020 00:50	S20030634.D
Trichloroethene	79-01-6	<2.92		2.92	03/07/2020 00:50	S20030634.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/07/2020 00:50	S20030634.D

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Lab Sample ID: 0005131-50	PSV-44-dup	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.29		1.29	03/07/2020 01:14	S20030635.D
1,1-Dichloroethene	75-35-4	<3.01		3.01	03/07/2020 01:14	S20030635.D
trans-1,2-Dichloroethene	156-60-5	<2.25		2.25	03/07/2020 01:14	S20030635.D
cis-1,2-Dichloroethene	156-59-2	<1.84		1.84	03/07/2020 01:14	S20030635.D
Trichloroethene	79-01-6	<2.92		2.92	03/07/2020 01:14	S20030635.D
Tetrachloroethene	127-18-4	<2.42		2.42	03/07/2020 01:14	S20030635.D

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

QC Information/Summary

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass) - Quality Control Summary
20C0008-BLK1 (Lab Blank) File ID: S20030503.D

Analyzed: 3/5/20 11:20

Analyte	CAS#	Result (ng)	LOQ (ng)	Q
Vinyl Chloride	75-01-4	<10	10	
1,1-Dichloroethene	75-35-4	<10	10	
trans-1,2-Dichloroethene	156-60-5	<10	10	
cis-1,2-Dichloroethene	156-59-2	<10	10	
Trichloroethene	79-01-6	<10	10	
Tetrachloroethene	127-18-4	<10	10	

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass) - Quality Control Summary
20C0011-BLK1 (Lab Blank) File ID: S20030603.D

Analyzed: 3/6/20 12:12

Analyte	CAS#	Result (ng)	LOQ (ng)	Q
Vinyl Chloride	75-01-4	<10	10	
1,1-Dichloroethene	75-35-4	<10	10	
trans-1,2-Dichloroethene	156-60-5	<10	10	
cis-1,2-Dichloroethene	156-59-2	<10	10	
Trichloroethene	79-01-6	<10	10	
Tetrachloroethene	127-18-4	<10	10	

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass) - Quality Control Summary
20C0015-BLK1 (Lab Blank) File ID: S20030903.D

Analyzed: 3/9/20 11:06

Analyte	CAS#	Result (ng)	LOQ (ng)	Q
Vinyl Chloride	75-01-4	<10	10	
1,1-Dichloroethene	75-35-4	<10	10	
trans-1,2-Dichloroethene	156-60-5	<10	10	
cis-1,2-Dichloroethene	156-59-2	<10	10	
Trichloroethene	79-01-6	<10	10	
Tetrachloroethene	127-18-4	<10	10	

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration) - Quality Control Summary
20C0008-BLK1 (Lab Blank) File ID: S20030503.D

Analyzed: 3/5/20 11:20

Analyte	CAS#	Result (µg/m³)	LOQ (µg/m³)	Q
Vinyl Chloride	75-01-4	<0.64	0.64	
1,1-Dichloroethene	75-35-4	<1.50	1.50	
trans-1,2-Dichloroethene	156-60-5	<1.13	1.13	
cis-1,2-Dichloroethene	156-59-2	<0.92	0.92	
Trichloroethene	79-01-6	<1.46	1.46	
Tetrachloroethene	127-18-4	<1.21	1.21	

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration) - Quality Control Summary
20C0011-BLK1 (Lab Blank) File ID: S20030603.D

Analyzed: 3/6/20 12:12

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	LOQ ($\mu\text{g}/\text{m}^3$)	Q
Vinyl Chloride	75-01-4	<0.64	0.64	
1,1-Dichloroethene	75-35-4	<1.50	1.50	
trans-1,2-Dichloroethene	156-60-5	<1.13	1.13	
cis-1,2-Dichloroethene	156-59-2	<0.92	0.92	
Trichloroethene	79-01-6	<1.46	1.46	
Tetrachloroethene	127-18-4	<1.21	1.21	

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration) - Quality Control Summary
20C0015-BLK1 (Lab Blank) File ID: S20030903.D

Analyzed: 3/9/20 11:06

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	LOQ ($\mu\text{g}/\text{m}^3$)	Q
Vinyl Chloride	75-01-4	<0.64	0.64	
1,1-Dichloroethene	75-35-4	<1.50	1.50	
trans-1,2-Dichloroethene	156-60-5	<1.13	1.13	
cis-1,2-Dichloroethene	156-59-2	<0.92	0.92	
Trichloroethene	79-01-6	<1.46	1.46	
Tetrachloroethene	127-18-4	<1.21	1.21	

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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*Sample Duplicate RPD Summary - Mass
Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass)*

Duplicate Sample: PSV-20-dup (0005131-23) Sample: PSV-20 (0005131-22) Average RPD: 1.0%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Trichloroethene	79-01-6	<10	10	<10	10	0.0
Tetrachloroethene	127-18-4	44.6	10	42.0	10	5.9

*Sample Duplicate RPD Summary - Mass
Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass)*

Duplicate Sample: PSV-35-dup (0005131-39) Sample: PSV-35 (0005131-38) Average RPD: 14.3%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Trichloroethene	79-01-6	18.0	10	<10	10	57.2
Tetrachloroethene	127-18-4	992.88	10	746	10	28.4

*Sample Duplicate RPD Summary - Mass
Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass)*

Duplicate Sample: PSV-39-dup (0005131-44) Sample: PSV-39 (0005131-43) Average RPD: 4.1%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Trichloroethene	79-01-6	<10	10	<10	10	0.0
Tetrachloroethene	127-18-4	333.51	10	426	10	24.4

Weber, Hayes & Associates
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 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

*Sample Duplicate RPD Summary - Mass
 Organics in Air/Soil Gas by EPA (SW846) 8260C (Mass)*

Duplicate Sample: PSV-44-dup (0005131-50) Sample: PSV-44 (0005131-49) Average RPD: 0.0%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Trichloroethene	79-01-6	<10	10	<10	10	0.0
Tetrachloroethene	127-18-4	<10	10	<10	10	0.0

*Sample Duplicate RPD Summary - Concentration
 Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration)*

Duplicate Sample: PSV-20-dup (0005131-23) Sample: PSV-20 (0005131-22) Average RPD: 1.1%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<1.29	1.29	<1.29	1.29	0.0
1,1-Dichloroethene	75-35-4	<3.01	3.01	<3.01	3.01	0.0
trans-1,2-Dichloroethene	156-60-5	<2.25	2.25	<2.25	2.25	0.0
cis-1,2-Dichloroethene	156-59-2	<1.84	1.84	<1.84	1.84	0.0
Trichloroethene	79-01-6	<2.92	2.92	<2.92	2.92	0.0
Tetrachloroethene	127-18-4	10.8	2.42	10.1	2.42	6.5

*Sample Duplicate RPD Summary - Concentration
 Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration)*

Duplicate Sample: PSV-35-dup (0005131-39) Sample: PSV-35 (0005131-38) Average RPD: 14.2%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<1.29	1.29	<1.29	1.29	0.0
1,1-Dichloroethene	75-35-4	<3.01	3.01	<3.01	3.01	0.0
trans-1,2-Dichloroethene	156-60-5	<2.25	2.25	<2.25	2.25	0.0
cis-1,2-Dichloroethene	156-59-2	<1.84	1.84	<1.84	1.84	0.0
Trichloroethene	79-01-6	5.26	2.92	<2.92	2.92	57.2
Tetrachloroethene	127-18-4	240.244	2.42	181	2.42	28.1

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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*Sample Duplicate RPD Summary - Concentration
Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration)*

Duplicate Sample: PSV-39-dup (0005131-44) Sample: PSV-39 (0005131-43) Average RPD: 4.0%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<1.29	1.29	<1.29	1.29	0.0
1,1-Dichloroethene	75-35-4	<3.01	3.01	<3.01	3.01	0.0
trans-1,2-Dichloroethene	156-60-5	<2.25	2.25	<2.25	2.25	0.0
cis-1,2-Dichloroethene	156-59-2	<1.84	1.84	<1.84	1.84	0.0
Trichloroethene	79-01-6	<2.92	2.92	<2.92	2.92	0.0
Tetrachloroethene	127-18-4	80.7	2.42	103	2.42	24.3

*Sample Duplicate RPD Summary - Concentration
Organics in Air/Soil Gas by EPA (SW846) 8260C (Concentration)*

Duplicate Sample: PSV-44-dup (0005131-50) Sample: PSV-44 (0005131-49) Average RPD: 0.0%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<1.29	1.29	<1.29	1.29	0.0
1,1-Dichloroethene	75-35-4	<3.01	3.01	<3.01	3.01	0.0
trans-1,2-Dichloroethene	156-60-5	<2.25	2.25	<2.25	2.25	0.0
cis-1,2-Dichloroethene	156-59-2	<1.84	1.84	<1.84	1.84	0.0
Trichloroethene	79-01-6	<2.92	2.92	<2.92	2.92	0.0
Tetrachloroethene	127-18-4	<2.42	2.42	<2.42	2.42	0.0

Notes: RPD calculations based on raw numbers. Numbers displayed may be rounded for presentation.

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Additional QC Information

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-01

Sample Name: Trip 1

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030505.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030505.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030505.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030505.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030505.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030505.D

Lab ID: 0005131-02

Sample Name: Trip 2

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030506.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030506.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030506.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030506.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030506.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030506.D

Lab ID: 0005131-03

Sample Name: PSV-1

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030507.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030507.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030507.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030507.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030507.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030507.D

Lab ID: 0005131-04

Sample Name: PSV-2

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030508.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030508.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030508.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030508.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030508.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030508.D

Lab ID: 0005131-05

Sample Name: PSV-3

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030509.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030509.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030509.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030509.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030509.D
Tetrachloroethene	10,080	1.00	0.410	29.89	7.23	S20030509.D

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Site Name: Santa Cruz Redevelopment Parcels
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Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-06

Sample Name: PSV-4

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030510.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030510.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030510.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030510.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030510.D
Tetrachloroethene	10,080	1.00	0.410	26.81	6.49	S20030510.D

Lab ID: 0005131-07

Sample Name: PSV-5

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030511.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030511.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030511.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030511.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030511.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030511.D

Lab ID: 0005131-08

Sample Name: PSV-6

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030512.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030512.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030512.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030512.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030512.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030512.D

Lab ID: 0005131-09

Sample Name: PSV-7

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030513.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030513.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030513.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030513.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030513.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030513.D

Lab ID: 0005131-10

Sample Name: PSV-8

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030514.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030514.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030514.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030514.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030514.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030514.D

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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-11

Sample Name: PSV-9

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030515.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030515.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030515.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030515.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030515.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030515.D

Lab ID: 0005131-12

Sample Name: PSV-10

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030516.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030516.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030516.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030516.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030516.D
Tetrachloroethene	10,080	1.00	0.410	27.80	6.73	S20030516.D

Lab ID: 0005131-13

Sample Name: PSV-11

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030517.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030517.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030517.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030517.D
Trichloroethene	10,080	1.00	0.340	19.14	5.58	S20030517.D
Tetrachloroethene	10,080	1.00	0.410	488.13	118	S20030517.D

Lab ID: 0005131-14

Sample Name: PSV-12

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030518.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030518.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030518.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030518.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030518.D
Tetrachloroethene	10,080	1.00	0.410	104.16	25.2	S20030518.D

Lab ID: 0005131-15

Sample Name: PSV-13

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030519.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030519.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030519.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030519.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030519.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030519.D

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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-16

Sample Name: PSV-14

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030520.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030520.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030520.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030520.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030520.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030520.D

Lab ID: 0005131-17

Sample Name: PSV-15

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030521.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030521.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030521.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030521.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030521.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030521.D

Lab ID: 0005131-18

Sample Name: PSV-16

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030522.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030522.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030522.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030522.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030522.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030522.D

Lab ID: 0005131-19

Sample Name: PSV-17

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030523.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030523.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030523.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030523.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030523.D
Tetrachloroethene	10,080	1.00	0.410	78.09	18.9	S20030523.D

Lab ID: 0005131-20

Sample Name: PSV-18

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030605.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030605.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030605.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030605.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030605.D
Tetrachloroethene	10,080	1.00	0.410	38.35	9.28	S20030605.D

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Reported: 03/13/2020

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-21 Sample Name: PSV-19

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030606.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030606.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030606.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030606.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030606.D
Tetrachloroethene	10,080	1.00	0.410	14.92	3.61	S20030606.D

Lab ID: 0005131-22 Sample Name: PSV-20

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030607.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030607.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030607.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030607.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030607.D
Tetrachloroethene	10,080	1.00	0.410	41.70	10.1	S20030607.D

Lab ID: 0005131-23 Sample Name: PSV-20-dup

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030608.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030608.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030608.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030608.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030608.D
Tetrachloroethene	10,080	1.00	0.410	44.55	10.8	S20030608.D

Lab ID: 0005131-24 Sample Name: PSV-21

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030609.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030609.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030609.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030609.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030609.D
Tetrachloroethene	10,080	1.00	0.410	28.54	6.91	S20030609.D

Lab ID: 0005131-25 Sample Name: PSV-22

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030610.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030610.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030610.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030610.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030610.D
Tetrachloroethene	10,080	1.00	0.410	11.30	2.73	S20030610.D

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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-26

Sample Name: PSV-23

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030611.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030611.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030611.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030611.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030611.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030611.D

Lab ID: 0005131-27

Sample Name: PSV-24

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030612.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030612.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030612.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030612.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030612.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030612.D

Lab ID: 0005131-28

Sample Name: PSV-25

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030613.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030613.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030613.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030613.D
Trichloroethene	10,080	1.00	0.340	67.61	19.7	S20030613.D
Tetrachloroethene	10,080	9.33	0.410	167.23	378	S20030905.D

Lab ID: 0005131-29

Sample Name: PSV-26

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030614.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030614.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030614.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030614.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030614.D
Tetrachloroethene	10,080	1.00	0.410	77.83	18.8	S20030614.D

Lab ID: 0005131-30

Sample Name: PSV-27

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030615.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030615.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030615.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030615.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030615.D
Tetrachloroethene	10,080	1.00	0.410	128.71	31.1	S20030615.D

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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-31 **Sample Name:** PSV-28

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030616.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030616.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030616.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030616.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030616.D
Tetrachloroethene	10,080	1.00	0.410	71.72	17.4	S20030616.D

Lab ID: 0005131-32 **Sample Name:** PSV-29

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030617.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030617.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030617.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030617.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030617.D
Tetrachloroethene	10,080	1.00	0.410	91.53	22.1	S20030617.D

Lab ID: 0005131-33 **Sample Name:** PSV-30

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030618.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030618.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030618.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030618.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030618.D
Tetrachloroethene	10,080	1.00	0.410	43.77	10.6	S20030618.D

Lab ID: 0005131-34 **Sample Name:** PSV-31

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030619.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030619.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030619.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030619.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030619.D
Tetrachloroethene	10,080	1.00	0.410	444.20	107	S20030619.D

Lab ID: 0005131-35 **Sample Name:** PSV-32

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030620.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030620.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030620.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030620.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030620.D
Tetrachloroethene	10,080	1.00	0.410	48.63	11.8	S20030620.D

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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-36

Sample Name: PSV-33

Vinyl Chloride	10,077	1.00	0.770	U	U	S20030621.D
1,1-Dichloroethene	10,077	1.00	0.330	U	U	S20030621.D
trans-1,2-Dichloroethene	10,077	1.00	0.440	U	U	S20030621.D
cis-1,2-Dichloroethene	10,077	1.00	0.540	U	U	S20030621.D
Trichloroethene	10,077	1.00	0.340	U	U	S20030621.D
Tetrachloroethene	10,077	1.00	0.410	U	U	S20030621.D

Lab ID: 0005131-37

Sample Name: PSV-34

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030622.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030622.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030622.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030622.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030622.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030622.D

Lab ID: 0005131-38

Sample Name: PSV-35

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030623.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030623.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030623.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030623.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030623.D
Tetrachloroethene	10,080	1.00	0.410	746.32	181	S20030623.D

Lab ID: 0005131-39

Sample Name: PSV-35-dup

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030624.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030624.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030624.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030624.D
Trichloroethene	10,080	1.00	0.340	18.02	5.26	S20030624.D
Tetrachloroethene	10,080	1.00	0.410	992.88	240	S20030624.D

Lab ID: 0005131-40

Sample Name: PSV-36

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030625.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030625.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030625.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030625.D
Trichloroethene	10,080	1.00	0.340	33.39	9.74	S20030625.D
Tetrachloroethene	10,080	9.33	0.410	209.37	473	S20030906.D

Weber, Hayes & Associates
 120 Westgate Drive
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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-41

Sample Name: PSV-37

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030626.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030626.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030626.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	12.98	2.38	S20030626.D
Trichloroethene	10,080	1.00	0.340	55.31	16.1	S20030626.D
Tetrachloroethene	10,080	9.33	0.410	811.01	1830	S20030907.D

Lab ID: 0005131-42

Sample Name: PSV-38

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030627.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030627.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030627.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030627.D
Trichloroethene	10,080	1.00	0.340	63.55	18.5	S20030627.D
Tetrachloroethene	10,080	9.33	0.410	453.59	1020	S20030908.D

Lab ID: 0005131-43

Sample Name: PSV-39

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030628.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030628.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030628.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030628.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030628.D
Tetrachloroethene	10,080	1.00	0.410	425.87	103	S20030628.D

Lab ID: 0005131-44

Sample Name: PSV-39-dup

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030629.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030629.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030629.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030629.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030629.D
Tetrachloroethene	10,080	1.00	0.410	333.51	80.7	S20030629.D

Lab ID: 0005131-45

Sample Name: PSV-40

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030630.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030630.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030630.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030630.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030630.D
Tetrachloroethene	10,080	1.00	0.410	28.78	6.96	S20030630.D

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Project Manager: Pat Hoban

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Lab Work Order: 0005131
Reported: 03/13/2020

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0005131-46

Sample Name: PSV-41

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030631.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030631.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030631.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030631.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030631.D
Tetrachloroethene	10,080	1.00	0.410	14.39	3.48	S20030631.D

Lab ID: 0005131-47

Sample Name: PSV-42

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030632.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030632.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030632.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030632.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030632.D
Tetrachloroethene	10,080	1.00	0.410	28.67	6.94	S20030632.D

Lab ID: 0005131-48

Sample Name: PSV-43

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030633.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030633.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030633.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030633.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030633.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030633.D

Lab ID: 0005131-49

Sample Name: PSV-44

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030634.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030634.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030634.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030634.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030634.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030634.D

Lab ID: 0005131-50

Sample Name: PSV-44-dup

Vinyl Chloride	10,080	1.00	0.770	U	U	S20030635.D
1,1-Dichloroethene	10,080	1.00	0.330	U	U	S20030635.D
trans-1,2-Dichloroethene	10,080	1.00	0.440	U	U	S20030635.D
cis-1,2-Dichloroethene	10,080	1.00	0.540	U	U	S20030635.D
Trichloroethene	10,080	1.00	0.340	U	U	S20030635.D
Tetrachloroethene	10,080	1.00	0.410	U	U	S20030635.D

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Lab Work Order: 0005131
Reported: 03/13/2020

Calculations:

$$C = \frac{1000 \times M \times DF}{U \times t}$$

where: C = concentration ($\mu\text{g}/\text{m}^3$)
M = mass (ng)
DF = dilution factor
t = sampling time (minutes)
U = compound specific uptake rate

§ Uptake rate determined using Graham's Law of Diffusion.

Reference: Federal Register/Vol. 79, No. 125/June 30, 2014

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Beacon Proposal: 200203R01
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Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-01 **Sample Name:** Trip 1

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-02 **Sample Name:** Trip 2

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-03 **Sample Name:** PSV-1

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-04 **Sample Name:** PSV-2

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-05 **Sample Name:** PSV-3

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

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Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-06 **Sample Name:** PSV-4

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-07 **Sample Name:** PSV-5

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-08 **Sample Name:** PSV-6

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-09 **Sample Name:** PSV-7

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-10 **Sample Name:** PSV-8

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

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Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-11 **Sample Name:** PSV-9

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-12 **Sample Name:** PSV-10

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-13 **Sample Name:** PSV-11

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-14 **Sample Name:** PSV-12

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-15 **Sample Name:** PSV-13

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

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Project Manager: Pat Hoban

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Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-16 **Sample Name:** PSV-14

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-17 **Sample Name:** PSV-15

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-18 **Sample Name:** PSV-16

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-19 **Sample Name:** PSV-17

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-20 **Sample Name:** PSV-18

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-21 **Sample Name:** PSV-19

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-22 **Sample Name:** PSV-20

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-23 **Sample Name:** PSV-20-dup

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-24 **Sample Name:** PSV-21

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-25 **Sample Name:** PSV-22

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Weber, Hayes & Associates
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 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-26 **Sample Name:** PSV-23

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-27 **Sample Name:** PSV-24

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-28 **Sample Name:** PSV-25

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	9.33	0.410	10.0	22.6

Lab ID: 0005131-29 **Sample Name:** PSV-26

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-30 **Sample Name:** PSV-27

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Weber, Hayes & Associates
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 Watsonville, CA 95076

Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-31 **Sample Name:** PSV-28

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-32 **Sample Name:** PSV-29

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-33 **Sample Name:** PSV-30

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-34 **Sample Name:** PSV-31

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-35 **Sample Name:** PSV-32

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-36 Sample Name: PSV-33

Vinyl Chloride	10,077	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,077	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,077	1.00	0.440	10.0	2.26
cis-1,2-Dichloroethene	10,077	1.00	0.540	10.0	1.84
Trichloroethene	10,077	1.00	0.340	10.0	2.92
Tetrachloroethene	10,077	1.00	0.410	10.0	2.42

Lab ID: 0005131-37 Sample Name: PSV-34

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-38 Sample Name: PSV-35

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-39 Sample Name: PSV-35-dup

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-40 Sample Name: PSV-36

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	9.33	0.410	10.0	22.6

Weber, Hayes & Associates
 120 Westgate Drive
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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-41 **Sample Name:** PSV-37

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	9.33	0.410	10.0	22.6

Lab ID: 0005131-42 **Sample Name:** PSV-38

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	9.33	0.410	10.0	22.6

Lab ID: 0005131-43 **Sample Name:** PSV-39

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-44 **Sample Name:** PSV-39-dup

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-45 **Sample Name:** PSV-40

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0005131-46 **Sample Name:** PSV-41

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-47 **Sample Name:** PSV-42

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-48 **Sample Name:** PSV-43

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-49 **Sample Name:** PSV-44

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Lab ID: 0005131-50 **Sample Name:** PSV-44-dup

Vinyl Chloride	10,080	1.00	0.770	10.0	1.29
1,1-Dichloroethene	10,080	1.00	0.330	10.0	3.01
trans-1,2-Dichloroethene	10,080	1.00	0.440	10.0	2.25
cis-1,2-Dichloroethene	10,080	1.00	0.540	10.0	1.84
Trichloroethene	10,080	1.00	0.340	10.0	2.92
Tetrachloroethene	10,080	1.00	0.410	10.0	2.42

Weber, Hayes & Associates 120 Westgate Drive Watsonville, CA 95076	Site Name: Santa Cruz Redevelopment Parcels Site Location: Santa Cruz, CA Project Manager: Pat Hoban	Beacon Proposal: 200203R01 Lab Work Order: 0005131 Reported: 03/13/2020
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Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	10/31/2020	
DoD-ELAP	L18-339	United States Department of Defense Environmental Laboratory Accreditation	10/31/2020	
NY-NELAC	12097	New York Department of Health	04/01/2020	
Utah-NELAC	MD01091	Utah Department of Health	12/31/2020	

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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
∕	Compound not on scope of accreditation

Sample/Sample Receipt Qualifiers and Notes:

D	Dilution required to report within calibration Limits.
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Site Name: Santa Cruz Redevelopment Parcels
Site Location: Santa Cruz, CA
Project Manager: Pat Hoban

Beacon Proposal: 200203R01
Lab Work Order: 0005131
Reported: 03/13/2020

Sample Management Records

CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
P: 1-410-838-8780 | F: 1-410-838-8740

Project Information			Client Information		
Site Name:	Santa Cruz Redevelopment Parcels		Company Name:	Weber Hoyer & Associates	
Site Location:	1412, 1438, 1500, & 1514 Capitola Rd., Santa Cruz		Office Location:	120 Westgate Dr., Watsonville, CA 95076	
Field Sample ID	Date Emplaced	Date Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)
	Time Emplaced	Time Retrieved			
PSV-1	1349	1349	12 ↓	Soil	
PSV-2	1346	1346		Soil	
PSV-3	1342	1342		Concrete	
PSV-4	1335	1335		Concrete	
PSV-5	1245	1245		Soil	
PSV-6	1240	1240			
PSV-7	1235	1235			foil displaced; soil in metal pipe
PSV-8	1230	1230			
PSV-9	0815	0815			
PSV-10	0805	0805			
PSV-11	0825	0825			
PSV-12	0840	0840			
PSV-13	1250	1250			metal pipe submerged in water
PSV-14	1315	1315			
PSV-15	1225	1225			

Special Notes/Instructions:

Shipment of Field Kit to Laboratory - Custody Seal # *N/A* Intact?

Relinquished By:	Date/Time	Courier	Received By:	Date/Time
<i>Ryan Nyberg</i>	<i>3-3-20 1430</i>	<i>FedEx</i>	<i>Allison Zetter</i>	<i>03/04/2020 10:10</i>

LAB USE ONLY		
Beacon Project: <i>5131</i>	Beacon Proposal: <i>200203R01</i>	Analytical Method: <i>U.S. EPA Method 8260C</i>



CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
P: 1-410-838-8780 | F: 1-410-838-8740

Project Information			Client Information		
Site Name:			Company Name:		
			Office Location:		
Site Location:			Samples Submitted By:		
			Contact Phone No.:		
					Client PO No.:
					Expedited Turnaround Time
					<input type="checkbox"/> Rush (Specify): _____ Days
Field Sample ID	Date Emplaced	Date Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)
	Time Emplaced	Time Retrieved			
	2-25-20	3-3-20	12	Soil	
PSV-16	1220	1220	↓	↓	
PSV-17	1402	1402	↓	↓	
PSV-18	1356	1356	↓	↓	
PSV-19	0847	0847	↓	↓	
PSV-20	0830	0830	↓	↓	
PSV-20-dup	0830	0830	↓	↓	
PSV-21	1312	1312	↓	↓	
PSV-22	1210	1210	↓	↓	
PSV-23	1205	1205	↓	↓	
PSV-24	1143	1143	↓	↓	
PSV-25	0925	0925	↓	↓	
PSV-26	0920	0920	↓	↓	
PSV-27	1000	1000	↓	↓	foil displaced; soil in metal tube
PSV-28	0910	0910	↓	↓	
PSV-29	0905	0905	↓	↓	
PSV-30	1105	1105	↓	↓	
PSV-31	1015	1015	↓	↓	
PSV-32	1022	1022	↓	↓	
PSV-33	1033	1030	↓	↓	foil displaced; Soil in metal tube
PSV-34	1110	1110	↓	↓	
Special Notes/Instructions:					

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Project Information			Client Information		
Site Name:			Company Name:		
			Office Location:		
Site Location:			Samples Submitted By:		
			Contact Phone No.:		
Field Sample ID	Date Emplaced	Date Retrieved	Sampling Hole Depth (Inches)	Type of Surface (Soil/Asphalt/Concrete/Gravel)	Optional Sample Information (e.g., Description of Sample Location, Sample Condition, PID/FID Readings)
	Time Emplaced	Time Retrieved			
	2-25-20	3-9-20			
PSV-35	0935	0935	12	Soil	
PSV-35-dup	0935	0935	↓	↓	
PSV-36	0956	0950	↓	↓	
PSV-37	1010	1010	↓	↓	
PSV-38	0855	0855	↓	↓	
PSV-39	0900	0900	↓	↓	
PSV-39-dup	0900	1054 0900	↓	↓	
PSV-40	1054	1047 1054	↓	↓	
PSV-41	1047	1047	↓	↓	
PSV-42	1042	1042	↓	↓	
PSV-43	1035	1035	↓	↓	
PSV-44	1120	1035 1120	↓	↓	
PSV-44-dup	1120	1120	↓	↓	
PSV-45					
Trip 1					
Trip 2					
Special Notes/Instructions:					

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Beacon Project: 5131	Beacon Proposal: 200203R01	Analytical Method: U.S. EPA Method 8260C