

# **Phase II Environmental Site Assessment**

**1795 Long Beach Boulevard  
Long Beach, California**

*Prepared for:*

**AMCAL Multi-Housing, Inc.**



*Prepared by:*

**Rincon Consultants, Inc.  
November 2, 2016**



**Rincon Consultants, Inc.**

2215 Faraday Avenue Suite A  
Carlsbad, California 92008

760 918 9444

FAX 918 9444

info@rinconconsultants.com  
www.rinconconsultants.com

November 2, 2016  
Project Number 16-03146

Jay Ross  
AMCAL Multi-Housing, Inc.  
30141 Agoura Road, Suite 100  
Agoura Hills, CA 91301  
Via email: [jay@AmcalHousing.com](mailto:jay@AmcalHousing.com)

**Subject: Phase II Environmental Site Assessment  
1795 Long Beach Boulevard  
Long Beach, California**

Dear Mr. Ross:

This report presents the findings of a Phase II Environmental Site Assessment (ESA) completed by Rincon Consultants, Inc. for the property located at 1795 Long Beach Boulevard in Long Beach, California. The Phase II ESA was performed in conformance with our proposal dated September 29, 2016 and Change Order 2 dated October 14, 2016.

The accompanying report presents our findings regarding the collection and analysis of soil vapor samples on the subject property. Thank you for selecting Rincon for this project. If you have any questions, or if we can be of any future assistance, please contact us.

Sincerely,  
**RINCON CONSULTANTS, INC.**

Lauren Kodama Roenicke  
Environmental Scientist

Walter Hamann, PG, CEG, CHG  
Vice President, Environmental Services

*Phase II Environmental Site Assessment*

*1795 Long Beach Boulevard*

*Long Beach, California*

Executive Summary .....	1
Introduction .....	2
Project History .....	2
Scope of Work.....	3
Geologic and Hydrogeologic Setting.....	3
Topography.....	3
Geology and Hydrogeology .....	4
Site Geology .....	4
Regional Groundwater Occurrence and Quality .....	4
Phase II Site Assessment Methodology .....	5
Soil Vapor Probe Installation, Sampling & Analysis .....	5
Soil Vapor Sampling Results .....	5
Conclusions & Recommendations .....	6
Limitations .....	6
References.....	7

Table 1 – Soil Vapor Analytical Results

Figures

Figure 1 – Vicinity Map

Figure 2 – Soil Vapor Sampling Location Map

Appendices

Appendix A – Soil Vapor Laboratory Analytical Report



## EXECUTIVE SUMMARY

This report presents the results of a Phase II Environmental Site Assessment (ESA) conducted by Rincon Consultants, Inc. for AMCAL Multi-Housing, Inc. for the site located at 1795 Long Beach Boulevard in Long Beach, California. Rincon completed a Phase I ESA in September 2016, which identified two potential Recognized Environmental Conditions (RECs) at the subject property as follows:

### *Potential Recognized Environmental Conditions*

1. Former Olympic Cleaners located on the subject property
2. Former automotive repair stations and former gasoline stations located adjacent to the subject property.

To evaluate the potential subject property impact associated with the potential RECs listed above, Rincon recommended conducting a soil vapor assessment at the subject property in the vicinity of the former onsite cleaners, likely located on the southeastern portion of the subject property. Rincon also recommended reviewing Long Beach Fire Department records for the former adjacent automotive repair stations and gasoline stations.

Long Beach Fire Department records were reviewed on September 23, 2016. No relevant information regarding hazardous materials was available for the adjacent properties. Therefore, a soil vapor assessment was also conducted along the northern and western adjacent property boundaries to determine if the subject property has been impacted by the former adjacent land uses.

Groundwater monitoring reports for an adjacent Chevron gasoline station located at 1790 Long Beach Boulevard (adjacent to the east of the subject property, across Long Beach Boulevard) indicate that the groundwater elevation is about 4 feet below grade with variable groundwater flow ranging from southeast to west.

On October 19, 2016, Rincon and H&P Mobile Geochemistry (H&P) mobilized to the subject property to advance nine soil borings and install nine soil vapor probes onsite. Soil vapor samples were collected from 5 feet below ground surface (bgs) at each vapor probe location, for a total of 9 soil vapor samples. The nine soil vapor samples were analyzed onsite by H&P's certified mobile laboratory for volatile organic compounds (VOCs) and total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 8260SV, and methane by EPA 8015M.

Based on the proposed use of the site for mixed use commercial and residential, the results were compared to both residential and commercial screening levels.

Tetrachloroethylene (PCE) was detected in all of the samples analyzed, ranging from 0.15 micrograms per liter ( $\mu\text{g/L}$ ) to 66  $\mu\text{g/L}$ . Nine of the ten samples analyzed exceeded both the Environmental Screening Level (ESL) and California Human Health Screening Level (CHHSL) for PCE in soil vapor at residential sites of 0.24  $\mu\text{g/L}$  and 0.18  $\mu\text{g/L}$ , respectively.



Trichloroethylene (TCE) was detected in six of the ten samples analyzed, ranging from 0.02 µg/L to 1.8 µg/L. Two of the ten samples analyzed exceeded the ESL for TCE in soil vapor at residential sites of 0.24 µg/L, and one of those two samples also met the CHHSL for TCE in soil vapor at residential sites of 0.53 µg/L.

Benzene was detected in eight of the ten samples analyzed, ranging from 0.04 µg/L to 0.23 µg/L. Four of the ten samples analyzed exceeded the ESL for benzene in soil vapor at residential sites of 0.048 µg/L, and seven of the ten samples analyzed also exceeded the CHHSL for benzene in soil vapor at residential sites of 0.036 µg/L.

In addition, chloroform, toluene, ethylbenzene, xylenes, naphthalene, and TPHg were also detected in the soil vapor samples. However, none of the concentrations detected exceeded their respective CHHSLs or ESLs for residential sites.

Methane was not detected in any of the soil vapor samples analyzed.

Based on the laboratory analytical results, PCE, TCE, and benzene were detected at concentrations that exceeded their respective ESLs and CHHSLs for residential properties. The concentrations of PCE and TCE are commonly associated with a release of dry cleaning chemicals. Rincon recommends further assessment to determine the vertical and lateral extent of the PCE and TCE in the subsurface.

The concentrations of benzene detected adjacent to the auto repair indicate that there may be some offsite migration of benzene from the adjacent site to the west. Rincon recommends further assessment to delineate the extent of contamination from the adjacent auto repair.

Based on the results of analysis of the northernmost borings (SV7, SV8, and SV9), it does not appear that the adjacent sites to the north are adversely impacting the site as concentrations that would require additional assessment or remediation.

## INTRODUCTION

This report presents the results of a Phase II Environmental Site Assessment (ESA) for the property located at 1795 Long Beach Boulevard in Long Beach, California (Figure 1, Vicinity Map). The Phase II ESA was performed by Rincon Consultants, Inc. for AMCAL Multi-Housing, Inc. The Phase II ESA was performed based on the findings of our previous Phase I ESA, dated September 28, 2016.

## PROJECT HISTORY

A Phase I ESA was prepared for the subject property by Rincon in September 2016. Based on the findings of the September 2016 Phase I ESA, the following potential Recognized Environmental Conditions (RECs) were identified:

### *Potential Recognized Environmental Conditions*

1. Former Olympic Cleaners located on the subject property



2. Former automotive repair stations and former gasoline stations located adjacent to the subject property.

To evaluate the potential subject property impact associated with the potential RECs listed above, Rincon recommended conducting a soil vapor assessment at the subject property in the vicinity of the former onsite cleaners. Rincon also recommended reviewing Long Beach Fire Department records for the former adjacent automotive repair stations and gasoline stations.

Long Beach Fire Department records were reviewed on September 23, 2016. No relevant information regarding hazardous materials was available for the adjacent properties. Therefore, a soil vapor assessment was also conducted along the northern and western adjacent property boundaries to determine if the subject property has been impacted by the former adjacent land uses.

## SCOPE OF WORK

The following tasks were performed as part of the Phase II ESA:

- **Health and Safety Plan.** A Health and Safety Plan was developed for the Phase II ESA sampling personnel.
- **Utility Notification.** The subject property was pre-marked and Underground Services Alert (USA) was contacted to mark areas where underground public utilities might be located in the drilling area.
- **Soil Vapor Probes.** A total of nine soil vapor probes were advanced at the subject property (Figure 2). The locations were chosen based on the former location of the onsite Olympic Cleaners and the locations of the former adjacent automotive repair stations and gasoline stations. Under the direct supervision of Rincon, H&P provided a technician and mobile lab to collect and analyze the soil vapor samples from the probes. Soil vapor samples were analyzed onsite by H&P's certified mobile laboratory for volatile organic compounds (VOCs) and total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection (EPA) Method 8260SV, and methane by EPA Method 8015M.
- **Reporting.** Preparation of this report documenting our findings.

## GEOLOGIC AND HYDROGEOLOGIC SETTING

### TOPOGRAPHY

The current USGS topographic map (Long Beach Quadrangle, 2012) indicates that the subject property is situated at an elevation of about 25 feet above mean sea level with topography gently sloping towards the west. The topography in the vicinity of the subject property is relatively flat.



## **GEOLOGY AND HYDROGEOLOGY**

Los Angeles County is within the Peninsular and Transverse Ranges Geologic Provinces of California. These provinces are characterized by northwest trending mountains and faults (Peninsular Range), and east-west trending mountains and folds (Transverse Range). Rocks within the Peninsular Range Province were emplaced during Cretaceous orogenic events and uplifted into the present mountain ranges during the late Tertiary and Quaternary. Igneous, volcanic, metamorphic, and sedimentary rocks are all found within the Peninsular Ranges. The area is seismically active, with several known active faults crossing the Province. Rocks within the Transverse Range include Precambrian metamorphic and igneous rocks that comprise the core of the San Gabriel and Santa Monica Mountains. These rocks are overlain by Miocene-aged marine sediments of the Pico, Monterey, Repetto, and other formations.

From the Orange County line to the Santa Monica Mountains, the area consists of a large Quaternary age alluvial basin (Coastal Plain of the Los Angeles Basin). This basin is filled with sediments derived from the surrounding hills and mountains. The largest drainages in this basin are the Los Angeles-Rio Hondo and San Gabriel Rivers.

### **SITE GEOLOGY**

According to the Geologic Map of California, Long Beach Sheet (1962), the site is underlain by Quaternary age alluvium.

In addition, the Los Angeles County Department of Public Works Solid Waste Information Management System database<sup>1</sup> was reviewed to identify whether the subject property is located within 300 feet of an oil or gas well, or within 1,000 feet of a methane producing site. According to the map, the subject property is not within one of these zones.

## **REGIONAL GROUNDWATER OCCURRENCE AND QUALITY**

During the preparation of this Phase I ESA, we reviewed the California State Water Resources Control Board's (SWRCB's) online GeoTracker database to determine groundwater flow direction in the vicinity for the site:

- Groundwater monitoring reports for an adjacent Chevron gasoline station located at 1790 Long Beach Boulevard (adjacent to the east of the subject property, across Long Beach Boulevard) indicate that the depth to groundwater ranges between about 25 and 30 feet below grade with variable groundwater flow ranging from southeast to west.

In addition, Jay Ross with AMCAL Multi-Housing indicated that a geotechnical study conducted at the subject property identified groundwater between 18 and 27 feet below grade beneath the subject property.

Groundwater was not encountered during the current Phase II ESA.

---

<sup>1</sup> <https://dpw.lacounty.gov/epd/swims/OnlineServices/search-methane-hazards-esri.aspx>



## **PHASE II SITE ASSESSMENT METHODOLOGY**

### **SOIL VAPOR PROBE INSTALLATION, SAMPLING & ANALYSIS**

On October 19, 2016 under the direction of H&P, H&P utilized a truck-mounted drill rig equipped with direct push technology to advance nine soil borings and install nine soil vapor probes to a depth of 5 feet below ground surface (bgs).

Soil vapor probes were installed in accordance with the California Environmental Protection Agency/Department of Toxic Substances Control (DTSC) *Active Soil Gas Investigations Advisory*, dated July 2015. At the designated sampling depth, 1/8 inch diameter tubing was inserted in the borehole and extended to the ground surface. The tubing was notched at the base to allow soil gas to enter into the tubing during sampling. Sand was placed within the open borehole to form a permeable sand pack surrounding the vapor probes. Dry bentonite filled in the hole, which was then capped with hydrated bentonite. Backfilling with bentonite prevents air from being drawn down the borehole instead of from the formation. The tracer gas 1,1-Difluoroethane (1,1-DFA) was used to determine if there were leaks that allowed ambient air to interfere with the samples being collected. Following sampling, the probes were removed and the surface was patched to match the surface.

All analyses were performed in an onsite mobile laboratory using a laboratory grade Hewlett Packard model 5890 Series II gas chromatograph equipped with a Flame Ionization Detector (FID) and an Electron Capture Detector. All results were collected on a computer utilizing Hewlett Packard's PC-based chromatographic data collection and handling system. A duplicate sample was analyzed for QA/QC purposes from SV-2.

Following sampling, the probes were removed and the surface was patched to match the existing surface.

### **SOIL VAPOR SAMPLING RESULTS**

Soil gas samples were analyzed for VOCs and TPHg by EPA Method 8260SV, and methane by EPA Method 8015M. Results of the soil vapor analysis are shown in Table 1. Based on the proposed use of the site for mixed use commercial and residential, the results were compared to both residential and commercial screening levels.

Tetrachloroethylene (PCE) was detected in all of the samples analyzed, ranging from 0.15 µg/L to 66 µg/L. Nine of the ten samples analyzed exceeded both the Environmental Screening Level (ESL) and California Human Health Screening Level (CHHSL) for PCE in soil vapor at residential sites of 0.24 µg/L and 0.18 µg/L, respectively.

Trichloroethylene (TCE) was detected in six of the ten samples analyzed, ranging from 0.02 µg/L to 1.8 µg/L. Two of the ten samples analyzed exceeded the ESL for TCE in soil vapor at residential sites of 0.24 µg/L, and one of those two samples also met the CHHSL for TCE in soil vapor at residential sites of 0.53 µg/L.





Benzene was detected in eight of the ten samples analyzed, ranging from 0.04 µg/L to 0.23 µg/L. Four of the ten samples analyzed exceeded the ESL for benzene in soil vapor at residential sites of 0.048 µg/L, and seven of the ten samples analyzed also exceeded the CHHSL for benzene in soil vapor at residential sites of 0.036 µg/L.

In addition, chloroform, toluene, ethylbenzene, xylenes, naphthalene, and TPHg were also detected in the soil vapor samples. However, none of the concentrations detected exceeded their respective CHHSLs or ESLs for residential sites.

Methane was not detected in any of the soil vapor samples analyzed.

In addition, 1,1-DFA was not detected in any of the soil vapor samples analyzed.

## **CONCLUSIONS & RECOMMENDATIONS**

Based on the laboratory analytical results, PCE, TCE, and benzene were detected at concentrations that exceeded their respective ESLs and CHHSLs for residential properties. The concentrations of PCE and TCE are commonly associated with a release of dry cleaning chemicals. Rincon recommends further assessment to determine the vertical and lateral extent of the PCE and TCE in the subsurface.

The concentrations of benzene detected adjacent to the auto repair indicate that there may be some offsite migration of benzene from the adjacent site to the west. Rincon recommends further assessment to delineate the extent of contamination from the adjacent auto repair.

Based on the results of analysis of the northernmost borings (SV7, SV8, and SV9), it does not appear that the adjacent sites to the north are adversely impacting the site as concentrations that would require additional assessment or remediation.

## **LIMITATIONS**

This report has been prepared for and is intended for the exclusive use of AMCAL Multi-Housing, Inc. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the subject property are based on the results of a limited sampling program. The results of this evaluation are qualified by the fact that only limited sampling and analysis was conducted during this assessment.

This scope was not intended to completely establish the quantities and distribution of contaminants present at the subject property or to determine the cost to remediate the subject property. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations. Further, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions and other events. Conclusions regarding the condition of the subject property do not represent a warranty that all areas within the subject property are similar to those sampled.



## REFERENCES

The following reference materials were used in preparation of this Phase II ESA:

RWQCB online database (GeoTracker).

Rincon Consultants, *Phase I Environmental Site Assessment*, 1795 Long Beach Boulevard, Long Beach, California, dated September 28, 2016.

USGS topographic map (Long Beach Quadrangle, 2012).

Geologic Map of California, Long Beach Sheet (1962), Los Angeles County Department of Public Works Solid Waste Information Management System database.

**Table 1 - Soil Vapor Analytical Results**  
**Samples Collected by H&P Mobile Geochemistry on**  
**October 19, 2016**

Soil Vapor Probe Location	Depth (ft)	PCE (µg/L)	TCE (µg/L)	Chloroform (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	Naphthalene (µg/L)	TPH-g (C5-C12) (µg/L)	Other VOCs (µg/L)	Methane (ppmv)
SV1	5	<b>50</b>	0.15	ND	0.06	ND	<b>2.0</b>	6.4	2.0	ND	110	ND	ND
SV2	5	<b>17</b>	ND	ND	<b>0.04</b>	ND	ND	ND	ND	ND	ND	ND	ND
	5-DUP	<b>18</b>	0.02	ND	<b>0.04</b>	ND	ND	ND	ND	ND	ND	ND	ND
SV3	5	<b>66</b>	<b>1.8</b>	ND	<b>0.23</b>	ND	ND	1.0	ND	ND	69	ND	ND
SV4	5	<b>12</b>	0.06	ND	<b>0.09</b>	ND	ND	ND	ND	ND	ND	ND	ND
SV5	5	<b>1.7</b>	0.12	ND	<b>0.17</b>	<b>0.28</b>	ND	0.14	ND	ND	ND	ND	ND
SV6	5	<b>1.1</b>	ND	0.02	<b>0.16</b>	ND	ND	0.11	ND	ND	ND	ND	ND
SV7	5	0.15	ND	ND	<b>0.04</b>	ND	ND	ND	ND	ND	ND	ND	ND
SV8	5	<b>5.1</b>	<b>0.60</b>	ND	ND	ND	0.41	1.9	0.72	0.03	ND	ND	ND
SV9	5	<b>0.30</b>	ND	ND	ND	ND	<b>9.2</b>	36	11	ND	430	ND	ND
<b>Laboratory Detection Limit</b>		0.40	0.02	0.02	0.02	0.20	0.10	1.0	0.10	0.02	80	Varies	NA
<b>ESL - Residential</b>		0.24	0.24	0.061	0.048	160	0.560	52		0.041	300	Varies	NA
<b>ESL - Commercial</b>		2.1	3.0	0.530	0.420	1,300	4.90	440		0.360	2,500	Varies	NA
<b>CHHSL - Residential</b>		0.18	0.53	NA	0.036	0.014	0.42	320		0.032	NA	Varies	NA
<b>CHHSL - Commercial</b>		0.60	1.8	NA	0.12	380	1.4	890	880	0.11	NA	Varies	NA

NA - Not applicable

ND - Not detected above laboratory detection limit

ft - feet

µg/L - Micrograms per liter

ppmv= parts per million by volume

PCE - Tetrachloroethene

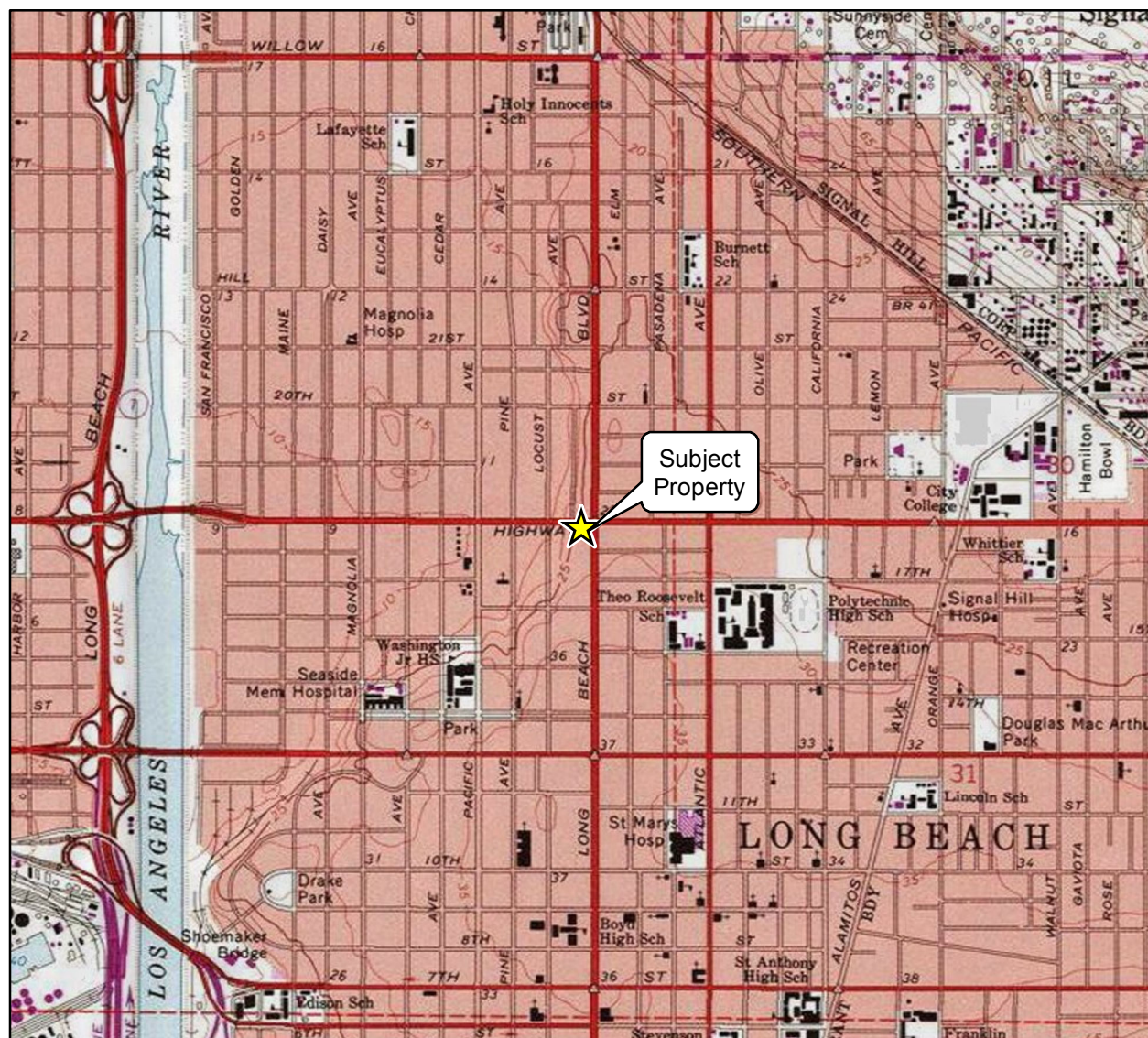
TCE - Trichloroethene

VOCs - Volatile Organic Compounds

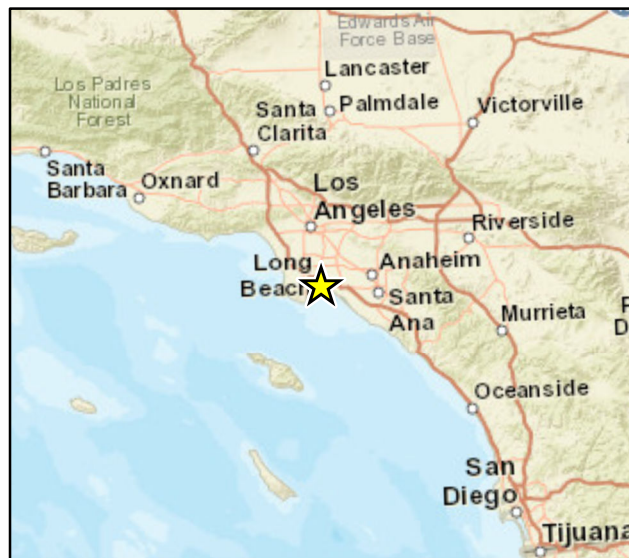
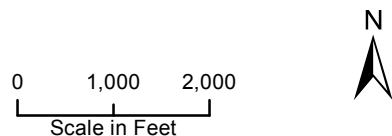
ESL= Environmental Screening Level (established by the San Francisco Regional Water Quality Control Board)

CHHSL = California Human Health Screening Levels (Cal/EPA - *Use of California Human Health Screening Levels in Evaluation of Contaminated Properties*, September 2010)

Bold - Concentration detected meets or exceeds the established ESL



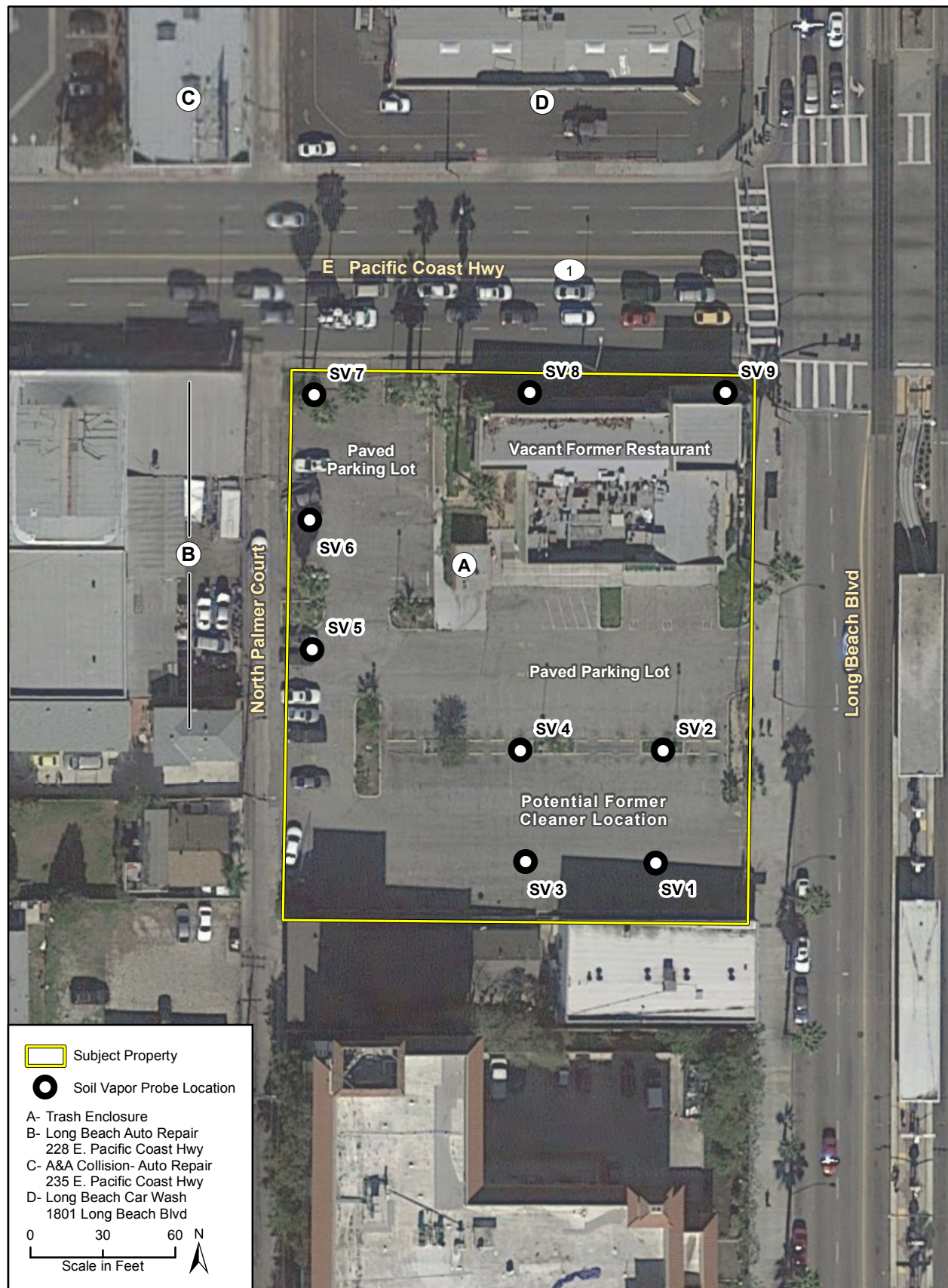
Imagery provided by National Geographic Society, ESRI and its licensors © 2016. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.



Vicinity Map

Figure 1





Imagery provided by Google and its licensors © 2016.

**Soil Vapor Sampling Location Map**

**Figure 2**

## **Appendix A**

---

*Soil Vapor Laboratory Analytical Report*

26 October 2016

Ms. Lauren Kodama Roenicke  
Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008



H&P Project: RC101916-SB1  
Client Project: 16-03146 / 1795 Long Beach Blvd

Dear Ms. Lauren Kodama Roenicke:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 19-Oct-16 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,



Janis La Roux  
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1	E610090-01	Vapor	19-Oct-16	19-Oct-16
SV2	E610090-02	Vapor	19-Oct-16	19-Oct-16
SV3	E610090-03	Vapor	19-Oct-16	19-Oct-16
SV4	E610090-04	Vapor	19-Oct-16	19-Oct-16
SV5	E610090-05	Vapor	19-Oct-16	19-Oct-16
SV2 Rep	E610090-06	Vapor	19-Oct-16	19-Oct-16
SV6	E610090-07	Vapor	19-Oct-16	19-Oct-16
SV7	E610090-08	Vapor	19-Oct-16	19-Oct-16
SV8	E610090-09	Vapor	19-Oct-16	19-Oct-16
SV9	E610090-10	Vapor	19-Oct-16	19-Oct-16



Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### DETECTIONS SUMMARY

Sample ID: SV1

Laboratory ID: E610090-01

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Benzene	0.06	0.02	ug/l	H&P 8260SV	
Trichloroethene	0.15	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	50	0.40	ug/l	H&P 8260SV	
Ethylbenzene	2.0	0.10	ug/l	H&P 8260SV	
m,p-Xylene	6.4	0.10	ug/l	H&P 8260SV	
o-Xylene	2.0	0.10	ug/l	H&P 8260SV	
TPHv (C5 - C12)	110	80	ug/l	H&P 8260SV	GC-03

Sample ID: SV2

Laboratory ID: E610090-02

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Benzene	0.04	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	17	0.02	ug/l	H&P 8260SV	

Sample ID: SV3

Laboratory ID: E610090-03

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Benzene	0.23	0.20	ug/l	H&P 8260SV	
Trichloroethene	1.8	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	66	0.20	ug/l	H&P 8260SV	
m,p-Xylene	1.0	1.0	ug/l	H&P 8260SV	
TPHv (C5 - C12)	69	40	ug/l	H&P 8260SV	GC-03

Sample ID: SV4

Laboratory ID: E610090-04

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Benzene	0.09	0.02	ug/l	H&P 8260SV	
Trichloroethene	0.06	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	12	0.02	ug/l	H&P 8260SV	

Sample ID: SV5

Laboratory ID: E610090-05

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
Benzene	0.17	0.02	ug/l	H&P 8260SV	
Trichloroethene	0.12	0.02	ug/l	H&P 8260SV	
Toluene	0.28	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	1.7	0.02	ug/l	H&P 8260SV	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

Sample ID: **SV5**

Laboratory ID: **E610090-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>m,p-Xylene</b>	<b>0.14</b>	0.10	ug/l	H&P 8260SV	

Sample ID: **SV2 Rep**

Laboratory ID: **E610090-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>Benzene</b>	<b>0.04</b>	0.02	ug/l	H&P 8260SV	
<b>Trichloroethene</b>	<b>0.02</b>	0.02	ug/l	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>18</b>	0.02	ug/l	H&P 8260SV	

Sample ID: **SV6**

Laboratory ID: **E610090-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>Chloroform</b>	<b>0.02</b>	0.02	ug/l	H&P 8260SV	
<b>Benzene</b>	<b>0.16</b>	0.02	ug/l	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>1.1</b>	0.02	ug/l	H&P 8260SV	
<b>m,p-Xylene</b>	<b>0.11</b>	0.10	ug/l	H&P 8260SV	

Sample ID: **SV7**

Laboratory ID: **E610090-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>Benzene</b>	<b>0.04</b>	0.02	ug/l	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>0.15</b>	0.02	ug/l	H&P 8260SV	

Sample ID: **SV8**

Laboratory ID: **E610090-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>Trichloroethene</b>	<b>0.60</b>	0.02	ug/l	H&P 8260SV	
<b>Tetrachloroethene</b>	<b>5.1</b>	0.02	ug/l	H&P 8260SV	
<b>Ethylbenzene</b>	<b>0.41</b>	0.10	ug/l	H&P 8260SV	
<b>m,p-Xylene</b>	<b>1.9</b>	0.10	ug/l	H&P 8260SV	
<b>o-Xylene</b>	<b>0.72</b>	0.10	ug/l	H&P 8260SV	
<b>Naphthalene</b>	<b>0.03</b>	0.02	ug/l	H&P 8260SV	

Sample ID: **SV9**

Laboratory ID: **E610090-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
<b>Tetrachloroethene</b>	<b>0.30</b>	0.10	ug/l	H&P 8260SV	
<b>Ethylbenzene</b>	<b>9.2</b>	0.50	ug/l	H&P 8260SV	
<b>m,p-Xylene</b>	<b>36</b>	0.50	ug/l	H&P 8260SV	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

Sample ID: **SV9**

Laboratory ID: **E610090-10**

Analyte	Result	Reporting	Units	Method	Notes
		Limit			
<b>o-Xylene</b>	<b>11</b>	0.50	ug/l	H&P 8260SV	
<b>TPHv (C5 - C12)</b>	<b>430</b>	40	ug/l	H&P 8260SV	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Soil Gas and Vapor Analysis**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV1 (E610090-01) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV2 (E610090-02) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV3 (E610090-03) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV4 (E610090-04) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV5 (E610090-05) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV2 Rep (E610090-06) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV6 (E610090-07) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV7 (E610090-08) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
<b>SV8 (E610090-09) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	

Rincon Consultants 2215 Faraday Avenue, Suite A Carlsbad, CA 92008	Project: RC101916-SB1 Project Number: 16-03146 / 1795 Long Beach Blvd Project Manager: Ms. Lauren Kodama Roenicke	Reported: 26-Oct-16 15:19
--	---	------------------------------

Soil Gas and Vapor Analysis

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	--------------------	-------	----------	----------	--------	-------

SV9 (E610090-10) Vapor    Sampled: 19-Oct-16    Received: 19-Oct-16

Methane	ND	10	ppmv	1	EJ61910	19-Oct-16	19-Oct-16	EPA 8015M	
---------	----	----	------	---	---------	-----------	-----------	-----------	--

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV1 (E610090-01) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.06</b>	0.02	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>0.15</b>	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>50</b>	0.40	"	0.2	"	"	"	"	
Dibromochloromethane	ND	0.10	"	0.01	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.0</b>	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>6.4</b>	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV1 (E610090-01) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
<b>o-Xylene</b>	<b>2.0</b>	<b>0.10</b>	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

119 % 75-125 " " " "  
98.4 % 75-125 " " " "  
110 % 75-125 " " " "

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV2 (E610090-02) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.04</b>	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>17</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	



Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV2 (E610090-02) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		113 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV3 (E610090-03) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	1.0	ug/l	0.1	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.10	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	1.0	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1.0	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.20	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.20	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.23</b>	0.20	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>1.8</b>	0.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>66</b>	0.20	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	0.20	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>1.0</b>	1.0	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV3 (E610090-03) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	1.0	ug/l	0.1	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	0.20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		116 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		121 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV4 (E610090-04) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.09</b>	0.02	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>0.06</b>	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>12</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV4 (E610090-04) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

111 %      75-125      "      "      "      "  
108 %      75-125      "      "      "      "  
116 %      75-125      "      "      "      "

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV5 (E610090-05) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.17</b>	0.02	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>0.12</b>	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
<b>Toluene</b>	<b>0.28</b>	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>1.7</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>0.14</b>	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV5 (E610090-05) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

109 % 75-125 " " " "  
111 % 75-125 " " " "  
120 % 75-125 " " " "

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV2 Rep (E610090-06) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.04</b>	0.02	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>0.02</b>	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>18</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	



Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV2 Rep (E610090-06) Vapor    Sampled: 19-Oct-16    Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
<hr/>									
Surrogate: Dibromofluoromethane		106 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		111 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV6 (E610090-07) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
<b>Chloroform</b>	<b>0.02</b>	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.16</b>	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>1.1</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>0.11</b>	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV6 (E610090-07) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		116 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV7 (E610090-08) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.04</b>	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>0.15</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV7 (E610090-08) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
o-Xylene	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		105 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		125 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV8 (E610090-09) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	ND	0.02	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>0.60</b>	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>5.1</b>	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.41</b>	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>1.9</b>	0.10	"	"	"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV8 (E610090-09) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
<b>o-Xylene</b>	<b>0.72</b>	<b>0.10</b>	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>0.03</b>	<b>0.02</b>	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane  
Surrogate: 1,2-Dichloroethane-d4  
Surrogate: 4-Bromofluorobenzene

120 % 75-125 " " " "  
107 % 75-125 " " " "  
120 % 75-125 " " " "

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV**

**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV9 (E610090-10) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
1,1-Difluoroethane (LCC)	ND	0.50	ug/l	0.05	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.05	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.50	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.50	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.10	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.10	"	"	"	"	"	"	
Benzene	ND	0.10	"	"	"	"	"	"	
Trichloroethene	ND	0.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>0.30</b>	0.10	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.10	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>9.2</b>	0.50	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>36</b>	0.50	"	"	"	"	"	"	



Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Volatile Organic Compounds by H&P 8260SV

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV9 (E610090-10) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
<b>o-Xylene</b>	<b>11</b>	<b>0.50</b>	ug/l	0.05	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
Styrene	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	75-125		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	75-125		"	"	"	"	

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Petroleum Hydrocarbon Analysis

#### H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
<b>SV1 (E610090-01) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	110	80	ug/l	0.2	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	GC-03
<b>SV2 (E610090-02) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV3 (E610090-03) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	69	40	ug/l	0.1	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	GC-03
<b>SV4 (E610090-04) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV5 (E610090-05) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV2 Rep (E610090-06) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV6 (E610090-07) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV7 (E610090-08) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	
<b>SV8 (E610090-09) Vapor Sampled: 19-Oct-16 Received: 19-Oct-16</b>									
TPHv (C5 - C12)	ND	40	ug/l	0.01	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	

Rincon Consultants 2215 Faraday Avenue, Suite A Carlsbad, CA 92008	Project: RC101916-SB1 Project Number: 16-03146 / 1795 Long Beach Blvd Project Manager: Ms. Lauren Kodama Roenicke	Reported: 26-Oct-16 15:19
--	---	------------------------------

Petroleum Hydrocarbon Analysis  
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV9 (E610090-10) Vapor    Sampled: 19-Oct-16    Received: 19-Oct-16									
TPHv (C5 - C12)	430	40	ug/l	0.05	EJ61909	19-Oct-16	19-Oct-16	H&P 8260SV	

Rincon Consultants 2215 Faraday Avenue, Suite A Carlsbad, CA 92008	Project: RC101916-SB1 Project Number: 16-03146 / 1795 Long Beach Blvd Project Manager: Ms. Lauren Kodama Roenicke	Reported: 26-Oct-16 15:19
--	---	------------------------------

Soil Gas and Vapor Analysis - Quality Control  
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EJ61910 - GC

Blank (EJ61910-BLK1)	Prepared & Analyzed: 19-Oct-16									
Methane	ND	10	ppmv							

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch EJ61909 - EPA 5030**

**Blank (EJ61909-BLK1)**

Prepared & Analyzed: 19-Oct-16

1,1-Difluoroethane (LCC)	ND	0.10	ug/l
Dichlorodifluoromethane (F12)	ND	0.10	"
Chloromethane	ND	0.10	"
Vinyl chloride	ND	0.01	"
Bromomethane	ND	0.10	"
Chloroethane	ND	0.10	"
Trichlorofluoromethane (F11)	ND	0.10	"
1,1-Dichloroethene	ND	0.10	"
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"
Methylene chloride (Dichloromethane)	ND	0.10	"
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"
trans-1,2-Dichloroethene	ND	0.10	"
1,1-Dichloroethane	ND	0.10	"
2,2-Dichloropropane	ND	0.10	"
cis-1,2-Dichloroethene	ND	0.10	"
Chloroform	ND	0.02	"
Bromochloromethane	ND	0.10	"
1,1,1-Trichloroethane	ND	0.10	"
1,1-Dichloropropene	ND	0.10	"
Carbon tetrachloride	ND	0.02	"
1,2-Dichloroethane (EDC)	ND	0.02	"
Benzene	ND	0.02	"
Trichloroethene	ND	0.02	"
1,2-Dichloropropane	ND	0.10	"
Bromodichloromethane	ND	0.10	"
Dibromomethane	ND	0.10	"
cis-1,3-Dichloropropene	ND	0.10	"
Toluene	ND	0.20	"
trans-1,3-Dichloropropene	ND	0.10	"
1,1,2-Trichloroethane	ND	0.10	"
1,2-Dibromoethane (EDB)	ND	0.10	"
1,3-Dichloropropane	ND	0.10	"
Tetrachloroethene	ND	0.02	"
Dibromochloromethane	ND	0.10	"

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch EJ61909 - EPA 5030**

**Blank (EJ61909-BLK1)**

Prepared & Analyzed: 19-Oct-16

Chlorobenzene	ND	0.02	ug/l
Ethylbenzene	ND	0.10	"
1,1,1,2-Tetrachloroethane	ND	0.10	"
m,p-Xylene	ND	0.10	"
o-Xylene	ND	0.10	"
Styrene	ND	0.10	"
Bromoform	ND	0.10	"
Isopropylbenzene (Cumene)	ND	0.10	"
1,1,2,2-Tetrachloroethane	ND	0.10	"
1,2,3-Trichloropropane	ND	0.10	"
n-Propylbenzene	ND	0.10	"
Bromobenzene	ND	0.10	"
1,3,5-Trimethylbenzene	ND	0.10	"
2-Chlorotoluene	ND	0.10	"
4-Chlorotoluene	ND	0.10	"
tert-Butylbenzene	ND	0.10	"
1,2,4-Trimethylbenzene	ND	0.10	"
sec-Butylbenzene	ND	0.10	"
p-Isopropyltoluene	ND	0.10	"
1,3-Dichlorobenzene	ND	0.10	"
1,4-Dichlorobenzene	ND	0.10	"
n-Butylbenzene	ND	0.10	"
1,2-Dichlorobenzene	ND	0.10	"
1,2-Dibromo-3-chloropropane	ND	1.0	"
1,2,4-Trichlorobenzene	ND	0.10	"
Hexachlorobutadiene	ND	0.10	"
Naphthalene	ND	0.02	"
1,2,3-Trichlorobenzene	ND	0.10	"

Surrogate: Dibromofluoromethane	0.550	"	0.500	110	75-125
Surrogate: 1,2-Dichloroethane-d4	0.511	"	0.500	102	75-125
Surrogate: 4-Bromofluorobenzene	0.596	"	0.500	119	75-125

Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

**Volatile Organic Compounds by H&P 8260SV - Quality Control**  
**H&P Mobile Geochemistry, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch EJ61909 - EPA 5030**

**LCS (EJ61909-BS1)**

Prepared & Analyzed: 19-Oct-16

Dichlorodifluoromethane (F12)	4.1	0.50	ug/l	5.00		82.0	70-130			
Vinyl chloride	3.9	0.05	"	5.00		77.7	70-130			
Chloroethane	4.2	0.50	"	5.00		83.2	70-130			
Trichlorofluoromethane (F11)	3.9	0.50	"	5.00		77.8	70-130			
1,1-Dichloroethene	4.2	0.50	"	5.00		84.6	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	3.8	0.50	"	5.00		76.0	70-130			
Methylene chloride (Dichloromethane)	5.5	0.50	"	5.00		110	70-130			
trans-1,2-Dichloroethene	5.5	0.50	"	5.00		110	70-130			
1,1-Dichloroethane	4.4	0.50	"	5.00		87.6	70-130			
cis-1,2-Dichloroethene	5.9	0.50	"	5.00		118	70-130			
Chloroform	5.4	0.10	"	5.00		108	70-130			
1,1,1-Trichloroethane	5.0	0.50	"	5.00		100	70-130			
Carbon tetrachloride	5.6	0.10	"	5.00		111	70-130			
1,2-Dichloroethane (EDC)	5.0	0.10	"	5.00		100	70-130			
Benzene	5.2	0.10	"	5.00		104	70-130			
Trichloroethene	5.8	0.10	"	5.00		115	70-130			
Toluene	5.0	1.0	"	5.00		101	70-130			
1,1,2-Trichloroethane	6.0	0.50	"	5.00		119	70-130			
Tetrachloroethene	6.5	0.10	"	5.00		130	70-130			
Ethylbenzene	5.7	0.50	"	5.00		114	70-130			
1,1,1,2-Tetrachloroethane	6.4	0.50	"	5.00		128	70-130			
m,p-Xylene	11	0.50	"	10.0		110	70-130			
o-Xylene	5.5	0.50	"	5.00		109	70-130			
1,1,2,2-Tetrachloroethane	5.8	0.50	"	5.00		115	70-130			

Surrogate: Dibromofluoromethane	2.68		"	2.50		107	75-125			
Surrogate: 1,2-Dichloroethane-d4	2.41		"	2.50		96.5	75-125			
Surrogate: 4-Bromofluorobenzene	2.42		"	2.50		96.8	75-125			

Rincon Consultants 2215 Faraday Avenue, Suite A Carlsbad, CA 92008	Project: RC101916-SB1 Project Number: 16-03146 / 1795 Long Beach Blvd Project Manager: Ms. Lauren Kodama Roenicke	Reported: 26-Oct-16 15:19
--	---	------------------------------

Petroleum Hydrocarbon Analysis - Quality Control  
H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EJ61909 - EPA 5030

Blank (EJ61909-BLK1)	Prepared & Analyzed: 19-Oct-16									
TPHv (C5 - C12)	ND	40	ug/l							



Rincon Consultants  
2215 Faraday Avenue, Suite A  
Carlsbad, CA 92008

Project: RC101916-SB1  
Project Number: 16-03146 / 1795 Long Beach Blvd  
Project Manager: Ms. Lauren Kodama Roenicke

Reported:  
26-Oct-16 15:19

### Notes and Definitions

GC-03      The result for this hydrocarbon is elevated due to the presence of a single peak analyte(s) in the quantitation range.

LCC          Leak Check Compound

ND          Analyte NOT DETECTED at or above the reporting limit

MDL        Method Detection Limit

%REC       Percent Recovery

RPD        Relative Percent Difference

### Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L15-279-R1

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at [www.handpmg.com/about/certifications](http://www.handpmg.com/about/certifications).

Lab Client and Project Information			
Lab Client/Consultant: <u>Rincon Consultants</u>		Project Name / #: <u>16-03146</u>	
Lab Client Project Manager: <u>Lauren Kodama Roenicke</u>		Project Location: <u>1795 Long Beach Blvd, Long Beach</u>	
Lab Client Address: <u>2215 Faraday Avenue Ste A</u>		Report E-Mail(s): <u>lkodama@rinconconsultants.com</u>	
Lab Client City, State, Zip: <u>Carlsbad, CA. 92008</u>		<u>ddailey@</u>	
Phone Number: <u>760-918-9444</u>			
Reporting Requirements		Turnaround Time	
<input checked="" type="checkbox"/> Standard Report <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Excel EDD <input type="checkbox"/> Other EDD: _____ <input type="checkbox"/> CA Geotracker Global ID: _____		<input type="checkbox"/> 5-7 day Std <input type="checkbox"/> 24-Hr Rush <input type="checkbox"/> 3-day Rush <input checked="" type="checkbox"/> Mobile Lab <input type="checkbox"/> 48-Hr Rush <input type="checkbox"/> Other: _____	
Sampler Information			
Sampler(s): <u>J. Reksc</u>			
Signature: <u>[Signature]</u>			
Date: <u>10-19-16</u>			

Sample Receipt (Lab Use Only)	
Date Rec'd: <u>10-19-16</u>	Control #: <u>160966.01/02</u>
H&P Project # <u>RC 101916-SB1</u>	
Lab Work Order # <u>E610090 / EJ61909</u>	
Sample Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Notes Below	
Receipt Gauge ID: _____	Temp: _____
Outside Lab: _____	
Receipt Notes/Tracking #: _____	
Lab PM Initials: _____	

**Additional Instructions to Laboratory:**

☒ Check if Project Analyte List is Attached

\* Preferred VOC units (please choose one):

☒ µg/L   ☐ µg/m<sup>3</sup>   ☐ ppbv   ☒ ppmv

CH4 = EJ61910

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (##)	Lab use only: Receipt Vac	VOCs Standard Full List <input checked="" type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	VOCs Short List / Project List <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Oxygenates <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15	Naphthalene <input type="checkbox"/> 8260SV <input type="checkbox"/> TO-15 <input type="checkbox"/> TO-17m	TPHV as Gas <input checked="" type="checkbox"/> 8260SV/m <input type="checkbox"/> TO-15m	TPHV as Diesel (sorbent tube) <input type="checkbox"/> TO-17m	Aromatic/Aliphatic Fractions <input type="checkbox"/> 8260SV/m <input type="checkbox"/> TO-15m	Leak Check Compound <input checked="" type="checkbox"/> DFA <input type="checkbox"/> IPA <input type="checkbox"/> He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 <input type="checkbox"/> CO2 <input type="checkbox"/> O2 <input type="checkbox"/> N2				
1 SV1		10/19/16	0937	SV	Glass Syringe			X				X			X	X					
2 SV1 Rep SV2	@ 1158		1008					X				X			X	X					
3 SV3			1034					X				X			X	X					
4 SV4			1112					X				X			X	X					
5 SV5			1137					X				X			X	X					
6 SV2 Rep			1226					X				X			X	X					
7 SV6			1316					X				X			X	X					
8 SV7			1342					X				X			X	X					
9 SV8			1410					X				X			X	X					
10 SV9			1438					X				X			X	X					

Approved/Relinquished by: <u>[Signature]</u>	Company: <u>Rincon</u>	Date: <u>10/19/16</u>	Time: <u>1500</u>	Received by: <u>[Signature]</u>	Company: <u>H&amp;P Mobile</u>	Date: <u>10-19-16</u>	Time: <u>1500</u>
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____
Approved/Relinquished by: _____	Company: _____	Date: _____	Time: _____	Received by: _____	Company: _____	Date: _____	Time: _____

***H&P 8260SV (Modified EPA 8260B)***

<i>Analyte</i>	<i>CAS No.</i>	<i>Ultra Low RL** Vapor (µg/L)</i>
Dichlorodifluoromethane (F12)	75-71-8	0.1
Chloromethane	74-87-3	0.1
Vinyl chloride	75-01-4	0.01
Bromomethane	74-83-9	0.1
Chloroethane	75-00-3	0.1
Trichlorofluoromethane (F11)	75-69-4	0.1
1,1-Dichloroethene	75-35-4	0.1
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.1
Methylene chloride (Dichloromethane)	75-09-2	0.1
Methyl tertiary-butyl ether (MTBE)	1634-04-4	0.1
trans-1,2-Dichloroethene	156-60-5	0.1
1,1-Dichloroethane	75-34-3	0.1
2,2-Dichloropropane	594-20-7	0.1
cis-1,2-Dichloroethene	156-59-2	0.1
Bromochloromethane	74-97-5	0.1
Chloroform	67-66-3	0.02
1,1,1-Trichloroethane	71-55-6	0.1
1,1-Dichloropropene	563-58-6	0.1
Carbon tetrachloride	56-23-5	0.02
1,2-Dichloroethane (EDC)	107-06-2	0.02
Benzene	71-43-2	0.02
Trichloroethene	79-01-6	0.02
1,2-Dichloropropane	78-87-5	0.1
Dibromomethane	74-95-3	0.1
Bromodichloromethane	75-27-4	0.1
cis-1,3-Dichloropropene	10061-01-5	0.1
Toluene	108-88-3	0.2
trans-1,3-Dichloropropene	10061-02-6	0.1
1,1,2-Trichloroethane	79-00-5	0.1
1,3-Dichloropropane	142-28-9	0.1
Tetrachloroethene	127-18-4	0.02
Dibromochloromethane	124-48-1	0.1
1,2-Dibromoethane (EDB)	106-93-4	0.1
Chlorobenzene	108-90-7	0.02
1,1,1,2-Tetrachloroethane	630-20-6	0.1
Ethylbenzene	100-41-4	0.1
m,p-Xylene	179601-23-1	0.1
o-Xylene	95-47-6	0.1
Styrene	100-42-5	0.1
Bromoform	75-25-2	0.1
Isopropylbenzene (Cumene)	98-82-8	0.1
1,1,2,2-Tetrachloroethane	79-34-5	0.1
n-Propylbenzene	103-65-1	0.1
1,2,3-Trichloropropane	96-18-4	0.1
Bromobenzene	108-86-1	0.1
2-Chlorotoluene	95-49-8	0.1
1,3,5-Trimethylbenzene	108-67-8	0.1
4-Chlorotoluene	106-43-4	0.1

***H&P 8260SV (Modified EPA 8260B)***

<i>Analyte</i>	<i>CAS No.</i>	<i>Ultra Low RL** Vapor (µg/L)</i>
tert-Butylbenzene	98-06-6	0.1
1,2,4-Trimethylbenzene	95-63-6	0.1
sec-Butylbenzene	135-98-8	0.1
p-Isopropyltoluene	99-87-6	0.1
1,3-Dichlorobenzene	541-73-1	0.1
1,4-Dichlorobenzene	106-46-7	0.1
n-Butylbenzene	104-51-8	0.1
1,2-Dichlorobenzene	95-50-1	0.1
1,2-Dibromo-3-chloropropane	96-12-8	1.0
1,2,4-Trichlorobenzene	120-82-1	0.1
Hexachlorobutadiene	87-68-3	0.1
Naphthalene	91-20-3	0.02
1,2,3-Trichlorobenzene	87-61-6	0.1

**TPH gas**

TPH gas (C5-C12) 40

**Methane by EPA 8015m**

Methane 10 ppmv

**Leak Check Compound**

1,1-Difluoroethane 75-37-6 0.1

**\*\*NOTE:** 100cc sample for Ultra Low RL. For clean samples only.

## Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: RC101916-SBI/Tech

Date: 10/19/16

Site Address: 1795 Long Beach Blvd., LA

Page: 1 of 1

Consultant: Rincon Consultants

H&P Rep(s): J. Reksa, C. Smith

Reviewed: DB

Consultant Rep(s): Dale Dailey

Scanned: DB

### Equipment Info

Inline Gauge ID#: T24

Pump ID#: 006/037

### Purge Volume Information

PV Amount:

PV Includes: ☒ Tubing

☒ Sand 40%

☒ Dry Bent 50%

3PV

### Leak Check Compound

☒ 1,1-DFA

☐ 1,1,1,2-TFA

☐ IPA

☐ Other:

A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Sample Information				Probe Specs								Purge & Collection Information					
Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac <input type="checkbox"/> Hg <input checked="" type="checkbox"/> H <sub>2</sub> O
1 SV1	205/214 185	150	0937	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
2 SV2	251/207 243	150	1008	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
3 SV3	250/242	100	1034	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
4 SV4	225/87 149	150	1112	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
5 SV5	204/203 209	150	1137	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
6 SV2R	251/211	100	1158	5	7	48	12	1.5	6	1.5	✓	✓	854	2200	—	2200	0
7 SV2 REP	216/243 205	150	1226	5	7	48	12	1.5	6	1.5	✓	✓	954	2200	—	2200	0
8 SV6	219/209 185	150	1316	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	-5
9 SV7	211/87 251	150	1342	5	7	48	12	1.5	6	1.5	✓	✓	697	200	3:29	2200	0
10 SV8	204/204 203	150	1410	5	7	48	12	.75	6	.75	✓	✓	189	2200	—	2200	0
11 SV9	149/219 209	150	1438	5	7	48	12	.75	6	.75	✓	✓	189	2200	—	2200	0
12																	

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):