Project No. T2913-77-01
November 30, 2020

VIA E-MAIL

Ms. Cynthia Gibbs
Albert A. Webb Associates
3788 McCray Street
Riverside, California 92506

Subject: LIMITED SOIL VAPOR SURVEY REPORT
625 WEST COUNTY LINE ROAD
CALIMESA, CALIFORNIA

Dear Ms. Gibbs:

In accordance with your authorization of our proposal, number LP-2019-432R dated November 27, 2019, Geocon West, Inc. (Geocon) performed a soil vapor survey for the former machine shop located at 625 West County Line Road (the Site) in Calimesa, California (see Figure 1, Vicinity Map). The City of Calimesa (the City) is planning road improvements at the intersection of Calimesa Boulevard and West County Line Road, which are expected to extend southwest of the intersection and onto portions of the Site (Figure 2). It is our understanding that the City intends to acquire the property.

INTRODUCTION

Background

LOR Geotechnical Group, Inc. (LOR) prepared an Initial Site Assessment (ISA) Report for the interchange improvement project, dated April 12, 2016. LOR identified the former Troyce's Automotive Machine Shop, located at 625 West County Line Road, as a recognized environmental condition (REC) due to its operation as a machine shop from at least the early 1990s until at least 2013. LOR recommended that a soil vapor survey be conducted to evaluate the potential presence of volatile organic compounds (VOC) contamination resulting from this facility's historic use. This limited soil vapor survey was conducted in response to LOR's recommendations.

Purpose

The purpose of the limited soil vapor survey was to assess if VOC-impacted soil vapor is present beneath the Site at concentrations that might pose an unacceptable risk to human health of future site residents, workers, and visitors via vapor intrusion of VOC-impacted soil vapor migrating into ambient air. Representative soil vapor samples were collected from within the footprint of the planned development and were analyzed for VOCs. The analytical results were compared with regulatory screening levels for soil vapor in both residential and commercial/industrial land use scenarios. Sampling was performed in accordance with California Environmental Protection Agency (Cal-EPA), Department of Toxic Substances Control (DTSC) protocol.

SCOPE OF SERVICES

This section describes the scope of services for the limited soil vapor survey including pre-field and field activities and laboratory analysis of soil vapor samples.

Pre-field Activities

Pre-field activities included the following:

- Prepared a site-specific health and safety plan dated October 2020
- Marked the proposed borings with white paint and contacted local public utilities to delineate subsurface utilities and conduits via Dig Alert (Ticket Number A202930629-00A).
- Retained the services of H&P Mobile Geochemistry Inc. (H&P) to install and collect samples from temporary soil vapor sampling points and perform the chemical analysis of soil vapor samples.

Field Activities – Soil Vapor

On October 22, 2020, H&P advanced soil vapor probes SV-1 through SV-6 at the locations as shown on Figure 2. H&P collected soil vapor samples in accordance with the DTSC's June 2015 *Advisory - Active Soil Gas Investigations* and following the procedures described below.

- H&P advanced a 3/4-inch boring to a depth of 5 feet at each location using a hand-held roto-hammer.
- H&P constructed soil vapor sampling point in each boring using 1/8-inch-diameter Nylaflow® tubing fitted with a 3-inch-long, stainless steel vapor probe tip. In each sampling point, the vapor probe tip was placed in the center of a 12-inch filter pack consisting of #30 silica sand. Six inches of dry granular bentonite clay was placed above the filter pack, and hydrated bentonite was placed from above that to the ground surface. Nylaflow® tubing extended approximately 2 feet above the ground surface and was capped with a polycarbonate 3-way stop valve to accommodate sample collection. H&P then closed the stop valve and waited at least 2 hours for subsurface conditions to equilibrate prior to sampling.

- To check for leaks, H&P encompassed the soil vapor sampling point and tubing with a hard-plastic shroud containing a tracer compound of 1,1-difluoroethane (1,1-DFA). H&P saturated a cloth with this tracer compound and placed the cloth around the tubing connections and the probe seal prior to purging and sampling.
- H&P then purged the sampling points of approximately three volumes of vapor using an air pump set at a flow rate of 200 milliliters per minute (ml/min).
- H&P then collected soil vapor samples from each sampling point using 400-milliliter Summa canisters attached to the sampling probe via Swagelok connections. H&P collected the samples at a flow rate of approximately 200 ml/min and at a vacuum of less than 7 inches of mercury (in-Hg). Once the 400-ml Summa canister had between approximately 2 and 3 in-Hg of vacuum remaining, H&P stopped sampling by closing the 400-ml Summa canister.
- After sampling, H&P abandoned the soil vapor sampling points by removing the soil vapor probe tips and tubing and backfilling the boring with bentonite.

H&P performed quality assurance/quality control procedures during the field sampling activities. These procedures included decontaminating reusable sampling equipment before and after each use by washing it with an Alconox® solution followed by a double-rinse with distilled water; collecting a duplicate soil vapor sample; and providing chain-of-custody documentation for each sample submitted to the laboratory.

Laboratory Analysis

H&P analyzed the six soil vapor samples and a duplicate soil vapor sample (collected from SV-3) for VOCs, including the leak check compound 1,1-DFA, using modified United States Environmental Protection Agency (USEPA) Test Method TO-15.

RESULTS

Soil Vapor Results

A copy of the H&P laboratory analytical report is attached. VOCs were detected at concentrations equal to or exceeding their respective laboratory reporting limit in each of the soil vapor samples analyzed. A summary of the laboratory analysis results for detected VOCs is below and in Table 1.

- 2-Butanone (MEK) was detected in four of the samples analyzed at concentrations ranging from 35 to 51 micrograms per cubic meter (µg/m^3);
- Benzene was detected in samples SV-1-5 and SV-5-5 at concentrations of 4.7 and 22 µg/m^3, respectively;
- Toluene was detected in all seven of the samples analyzed at concentrations ranging from 5.9 to 33 µg/m^3;
- Tetrachloroethene (PCE) was detected in three of the samples analyzed at concentrations ranging from 11 to 21 µg/m^3;
- M,p-xylene was detected in four of the samples analyzed at concentrations ranging from 9.1 to 16 µg/m^3;

- O-xylene was reported in three of the samples analyzed at concentrations ranging from 4.5 to 5.5 µg/m^3; and
- 1,2,4-Trimethylbenzene (1,2,4-TMB) was reported in six of the samples analyzed at concentrations ranging from 7.0 to 8.1 µg/m^3.

No other VOCs were detected at concentrations equal to or exceeding their respective laboratory reporting limits.

Quality Assurance/Quality Control (QA/QC)

When comparing the laboratory analysis results of the primary (SV-3-5) and duplicate (SV-3-5 rep) samples, MEK was only detected in the primary or duplicate sample, indicating poor reproducibility. The remaining VOCs were either not detected in both samples or were detected at similar concentrations (relative percent difference of less than 25%) in both samples, indicating good reproducibility.

We reviewed H&Ps QA/QC provided with the laboratory reports. QA/QC procedures included the analysis of a duplicate sample. Based on the laboratory QA/QC data, no qualification of the data presented herein is necessary, and the data are of sufficient quality for the purposes of this report.

Leak check compound 1,1-DFA was not detected at concentrations equal to or greater than the laboratory reporting limit of 5.5 µg/m^3 in any of the seven soil vapor samples analyzed. The absence of 1,1-DFA in the seven samples analyzed indicates that the sample collection equipment used at those locations were free of atmospheric leaks.

SCREENING LEVEL COMPARISON

To assess the potential health risk associated with VOCs in soil vapor, we compared the reported VOC concentrations to the DTSC-HERO Note 3: DTSC-modified Screening Levels (DTSC-SLs) and the USEPA Region 9 Regional Screening Levels (RSLs). The DTSC-SLs are available online at https://dtsc.ca.gov/wp-content/uploads/sites/31/2019/04/HHRA-Note-3-June-2020-A.pdf and the RSLs at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.

DTSC-SLs are more stringent than the RSLs for some chemicals, using California-specific toxicity values and exposure factors. Both sets of screening levels were developed as conservative screening tools and neither are enforceable regulatory cleanup standards. When any screening level reports a cancer and a non-cancer endpoint, we conservatively used the lower concentration of the two. When both DTSC-SLs and RSLs exist for a given chemical of concern, we compared VOC concentrations to the DTSC-SLs. Scenarios are offered for either residential or commercial/industrial land use.

DTSC-SLs and RSLs have been developed for VOCs in ambient indoor air, but not in soil vapor; therefore, we converted indoor air screening levels to soil vapor screening levels using a default attenuation factor. As stated in DTSC's *Vapor Intrusion Guidance*, dated October 2011 (DTSC, 2011), attenuation factors represent the ratio between VOC concentrations in indoor air and soil vapor based on the following equation:

$$\alpha = C_{Indoor} / C_{Soil\ Vapor}$$

where: α = Default attenuation rates

C_{Indoor} = VOC concentrations in indoor air ($\mu g/m^3$), and

$C_{Soil\ Vapor}$ = VOC concentrations in soil vapor ($\mu g/m^3$)

By reworking to the following equation, screening levels for VOCs in soil vapor can be calculated using:

$$C_{Soil\ Vapor} = C_{Indoor} / (\alpha)$$

In their Human Health Risk Assessment Note 3 (updated June 2020), the DTSC-HERO recommends the use of the USEPA's default attenuation factor of 0.03. Therefore, to calculate DTSC-SLs and RSLs for VOCs in soil vapor, we divided the DTSC-SLs and RSLs for indoor air by 0.03.

VOCs detected in soil vapor at concentrations that are less than their respective DTSC-SLs and/or RSLs calculated for soil vapor are generally assumed not to pose a significant threat to human health or the environment, whereas VOCs detected in soil vapor at concentrations that equal or exceed their respective DTSC-SLs indicate that additional characterization investigation and/or mitigation actions may be warranted.

Preliminary Screening Assessment

The following tables lists the maximum concentrations of the VOCs detected in soil vapor and their residential and commercial screening levels.

RESIDENTIAL VOC SCREENING LEVELS							
VOC Analyte	2-Butanone (MEK) ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	PCE ($\mu g/m^3$)	M,p-Xylene ($\mu g/m^3$)	O-Xylene ($\mu g/m^3$)	1,2,4-TMB ($\mu g/m^3$)
Maximum Concentration Analyzed ($\mu g/m^3$)	51	22	33	21	16	5.5	8.1
DTSC-SL for soil vapor*	NE	3.2	10,333	15	NE	NE	NE
RSLs for soil vapor*	173,333	Use DTSC-SL	Use DTSC-SL	Use DTSC-SL	3,333	3,333	2,100

*= Calculated; NE = Screening level not established

COMMERICIAL/INDUSTRIAL VOC SCREENING LEVELS							
VOC Analyte	2-Butanone (MEK) ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	PCE ($\mu g/m^3$)	M,p-Xylene ($\mu g/m^3$)	O-Xylene ($\mu g/m^3$)	1,2,4-TMB ($\mu g/m^3$)
Maximum Concentration Analyzed ($\mu g/m^3$)	51	22	33	21	16	5.5	8.1
DTSC-SL for soil vapor*	NE	14	43,333	67	NE	NE	NE
RSLs for soil vapor*	733,333	Use DTSC-SL	Use DTSC-SL	Use DTSC-SL	14,667	14,667	8,667

*= Calculated; NE = Screening level not established

As shown in the previous tables, the maximum detected benzene and PCE exceed their respective screening residential screening levels and benzene exceeds its commercial screening level.

CONCLUSIONS AND RECOMMENDATIONS

Various VOCs were detected in each of the soil vapor samples analyzed. Benzene, in two of the six samples, and PCE, in one of the six samples, were detected at concentrations greater than their respective calculated DTSC-SLs for soil vapor (residential land use). Benzene was detected at a concentration greater than the calculated DTSC-SL for soil vapor (commercial and/or industrial land use) in one of the six samples. No other VOCs were detected at concentrations equal to or greater than their respective DTSC-SL for soil vapor.

Based on the analytical results, benzene and PCE concentrations in soil vapor beneath the Site have the potential to pose an unacceptable risk to site occupants via vapor intrusion to indoor air. However, considering that benzene was detected at a concentration greater than the calculated commercial/industrial use DTSC-SL in only one of the six locations tested, and that the planned improvements include developing the Site as a roadway and open space, the soil vapor concentrations present at the Site are unlikely to present a significant risk for the proposed future use. Further evaluation with respect to VOCs in soil vapor are unwarranted.

LIMITATIONS

This report has been prepared exclusively for the Client. The conclusions presented in this report are based upon reasonable visual observations made at the Site and subsurface information from widely spaced sampling points. The information presented is relevant to the dates of the study and should not be relied upon to represent conditions at later dates. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary. The information contained herein is only valid as of the date of the report and may require an update to reflect additional information obtained.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings and conclusions as presented in this report are predicated on the results of the limited soil vapor sampling and laboratory analyses performed, based on the scope of services requested by the Client. It is possible that conditions may exist in the subsurface between the areas explored that could significantly change the conclusions and recommendations stated in this report. In addition, the information obtained is not intended to address potential impacts related to sources other than those requested by the Client as specified herein.

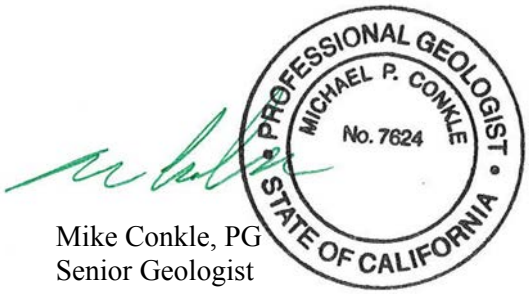
Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the report is implied within the intent of this report or any subsequent reports, correspondence, or consultation, either express or implied. Geocon strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

These activities conducted at the subject Site were conducted by Geocon expressly and solely for the Client. Any reliance upon the information, conclusions, or recommendations contained in this report for purposes other than the development of the subject property as currently proposed shall be at the sole liability of the party undertaking such use.

We appreciate the opportunity to assist you in this matter. Please contact us if you have any questions concerning this report or if we may be of further service.

Sincerely,

GEOCON WEST, INC.

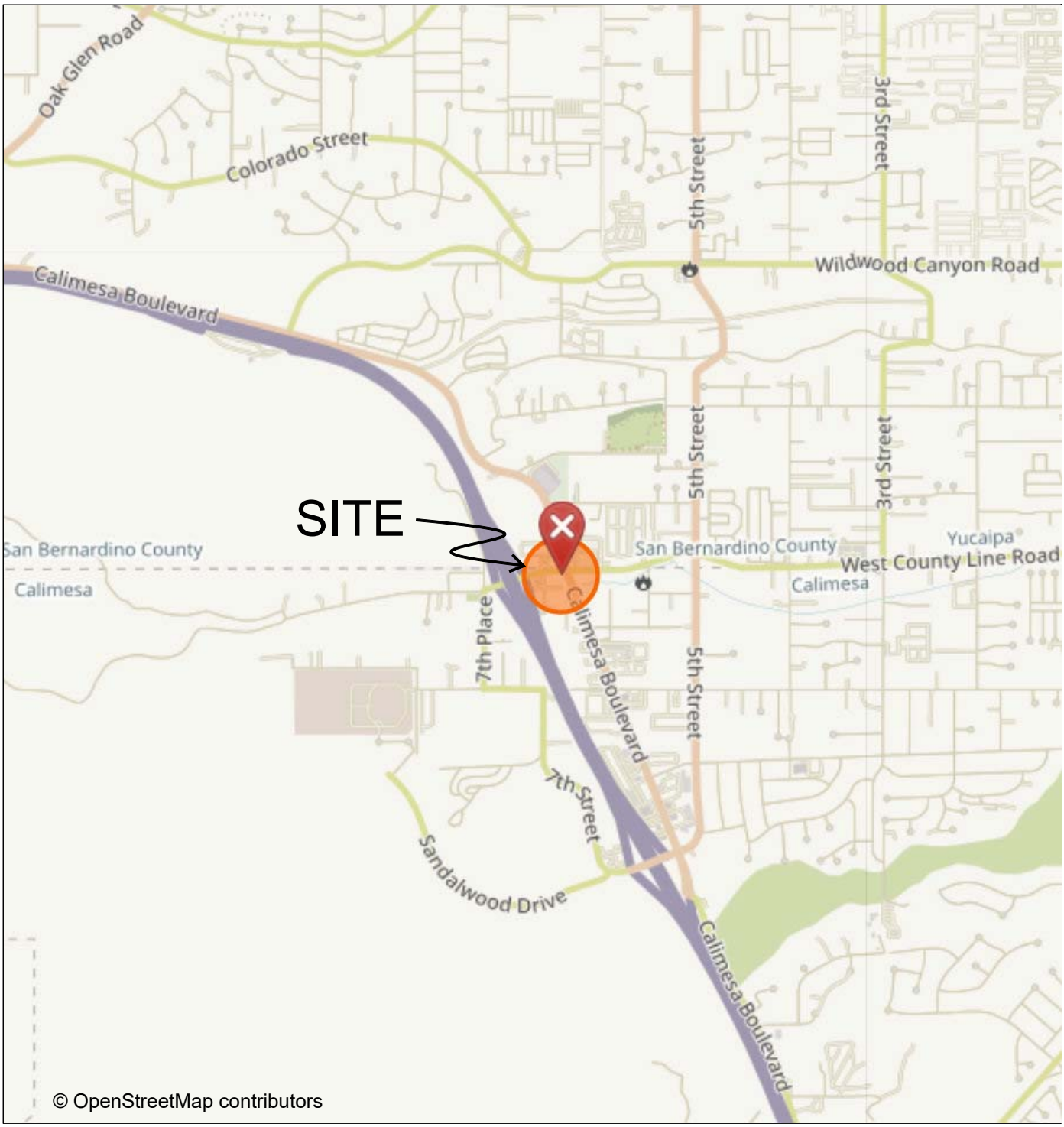


Scott Brito
Staff Geologist

Mike Conkle, PG
Senior Geologist

(E-MAIL) Addressee

Attachments: Figure 1, Vicinity Map
Figure 2, Site Plan
Table 1, Boring Coordinates and Summary Detected Soil Vapor Sample Analytical Results
H&P Analytical Laboratory Results



NORTH

NO SCALE

GEOCON WEST, INC.

ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: SJB	CHECKED BY: MPC

VICINITY MAP

625 WEST COUNTY LINE ROAD CALIMESA, CALIFORNIA

NOV. 2020	PROJ. NO.: T2913-77-01	FIG. 1

LEGEND

SV-6 Soil Vapor Sampling Point

Existing Structure

Existing Property Line

NORTH

0 50' 100'

GEOCON WEST, INC.

ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: SJB	CHECKED BY: MPC

SITE PLAN

625 WEST COUNTY LINE ROAD
CALIMESA, CALIFORNIA

NOV. 2020	PROJ. NO.: T2913-77-01	FIG. 2

TABLE 1

BORING COORDINATES AND SUMMARY OF DETECTED SOIL VAPOR SAMPLE ANALYTICAL RESULTS

625 WEST COUNTY LINE ROAD

CALIMESA, CALIFORNIA

Sample ID	Sample Depth (feet)	Latitude	Longitude	2-Butanone (MEK) ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	PCE ($\mu g/m^3$)	M,p-Xylene ($\mu g/m^3$)	O-Xylene ($\mu g/m^3$)	1,2,4-TMB ($\mu g/m^3$)
SV-1-5	5.0	34.00369395	-117.06252831	<30	4.7	15	11	16	5.5	8.1
SV-2-5	5.0	34.00376999	-117.06252524	<30	<3.2	9.1	<6.9	11	4.5	7.1
SV-3-5	5.0	34.00380096	-117.06248874	48	<3.2	10	18	11	<4.4	7.0
SV-3-5 rep	5.0	34.00380096	-117.06248874	<30	<3.2	8.2	21	9.1	<4.4	6.7
SV-4-5	5.0	34.00380712	117.06233997	35	<3.2	8.2	<6.9	<8.8	<4.4	5.5
SV-5-5	5.0	34.00376266	-117.06227995	51	22	33	<6.9	15	5.2	6.2
SV-6-5	5.0	34.00370083	-117.06227135	41	<3.2	5.9	<6.9	<8.8	<4.4	<5.0
Residential VOC Screening Levels										
Ambient Air		HERO Note 3 SLs ($\mu g/m^3$)		NE	0.097	310	0.46	NE	NE	NE
Ambient Air		RSLs ($\mu g/m^3$)		5,200	0.36	5,200	11	100	100	63
Soil Vapor (calculated)		HERO Note 3 SLs ($\mu g/m^3$)		NE	3.2	10,333	15	NE	NE	NE
Soil Vapor (calculated)		RSLs ($\mu g/m^3$)		173,333	12	173,333	367	3,333	3,333	2,100
Commercial/Industrial VOC Screening Levels										
Ambient Air		HERO Note 3 SLs ($\mu g/m^3$)		NE	0.42	1,300	2	NE	NE	NE
Ambient Air		RSLs ($\mu g/m^3$)		22,000	1.60	22,000	47	440	440	260
Soil Vapor (calculated)		HERO Note 3 SLs ($\mu g/m^3$)		NE	14	43,333	67	NE	NE	NE
Soil Vapor (calculated)		RSLs ($\mu g/m^3$)		733,333	53	733,333	1,567	14,667	14,667	8,667

Notes:

Volatile Organic Compounds (VOCs) by EPA Test Method TO-15

VOCs reported in micrograms per cubic meter ($\mu g/m^3$)

< = Not detected at a concentration equal to or greater than the laboratory reporting limit specified

RSLs = United States Environmental Protection Agency Regional Screening Levels for residential land use (November 2020)

HERO Note 3 SLs = California Department of Toxic Substances Control, Human and Ecological Risk Office Note 3 screening levels (June 2020), cancer endpoint, where available

NE = Not established

Soil vapor screening levels were calculated by using the DTSC-HERO-recommended attentuation factor of 0.03.

PCE = Tetrachloroethene

1,2,4-TMB = 1,2,4-Trimethylbenzene

H&P Mobile Geochemistry Inc.

02 November 2020

Mike Conkle
Geocon Consultants, Inc. - Burbank
3303 N. San Fernando Blvd.
Burbank, CA 91504

H&P Project: GC102320-10
Client Project: T2913-77-01 / Calimesa Blvd

Dear Mike Conkle:

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 22-Oct-20 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,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency . Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1-5	E010087-01	Vapor	22-Oct-20	22-Oct-20
SV-2-5	E010087-02	Vapor	22-Oct-20	22-Oct-20
SV-3-5	E010087-03	Vapor	22-Oct-20	22-Oct-20
SV-3-5 Rep	E010087-04	Vapor	22-Oct-20	22-Oct-20
SV-4-5	E010087-05	Vapor	22-Oct-20	22-Oct-20
SV-5-5	E010087-06	Vapor	22-Oct-20	22-Oct-20
SV-6-5	E010087-07	Vapor	22-Oct-20	22-Oct-20

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

DETECTIONS SUMMARY

Sample ID: **SV-1-5** Laboratory ID: **E010087-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**4.7**	3.2	ug/m3	EPA TO-15	
Toluene	**15**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**11**	6.9	ug/m3	EPA TO-15	
m,p-Xylene	**16**	8.8	ug/m3	EPA TO-15	
o-Xylene	**5.5**	4.4	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**8.1**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-2-5** Laboratory ID: **E010087-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.1**	3.8	ug/m3	EPA TO-15	
m,p-Xylene	**11**	8.8	ug/m3	EPA TO-15	
o-Xylene	**4.5**	4.4	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**7.1**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-3-5** Laboratory ID: **E010087-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
2-Butanone (MEK)	**48**	30	ug/m3	EPA TO-15	
Toluene	**10**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**18**	6.9	ug/m3	EPA TO-15	
m,p-Xylene	**11**	8.8	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**7.0**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-3-5 Rep** Laboratory ID: **E010087-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.2**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**21**	6.9	ug/m3	EPA TO-15	
m,p-Xylene	**9.1**	8.8	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**6.7**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-4-5** Laboratory ID: **E010087-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
2-Butanone (MEK)	**35**	30	ug/m3	EPA TO-15	
Toluene	**8.2**	3.8	ug/m3	EPA TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Sample ID: **SV-4-5** Laboratory ID: **E010087-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	**5.5**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-5-5** Laboratory ID: **E010087-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
2-Butanone (MEK)	**51**	30	ug/m3	EPA TO-15	
Benzene	**22**	3.2	ug/m3	EPA TO-15	
Toluene	**33**	3.8	ug/m3	EPA TO-15	
m,p-Xylene	**15**	8.8	ug/m3	EPA TO-15	
o-Xylene	**5.2**	4.4	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**6.2**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV-6-5** Laboratory ID: **E010087-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
2-Butanone (MEK)	**41**	30	ug/m3	EPA TO-15	
Toluene	**5.9**	3.8	ug/m3	EPA TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E010087-01) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**4.7**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**15**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**11**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**16**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E010087-01) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
o-Xylene	**5.5**	4.4	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.1**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.9 %*		*77-127*	"	"	"	"	
SV-2-5 (E010087-02) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-5 (E010087-02) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
Trichloroethene	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.1**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**11**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**4.5**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**7.1**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E010087-03) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**48**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**10**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**18**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**11**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E010087-03) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
o-Xylene	ND	4.4	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**7.0**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*		*77-127*	"	"	"	"	
SV-3-5 Rep (E010087-04) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 Rep (E010087-04) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
Trichloroethene	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**8.2**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**21**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**9.1**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.7**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.7 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E010087-05) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**35**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**8.2**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E010087-05) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
o-Xylene	ND	4.4	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**5.5**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	
SV-5-5 (E010087-06) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**51**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**22**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-5 (E010087-06) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
Trichloroethene	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**33**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**15**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**5.2**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6.2**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E010087-07) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**41**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**5.9**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E010087-07) Vapor Sampled: 22-Oct-20 Received: 22-Oct-20									
o-Xylene	ND	4.4	ug/m3	1	EJ02805	28-Oct-20	28-Oct-20	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ02805 - TO-15										
Blank (EJ02805-BLK1)				Prepared & Analyzed: 28-Oct-20						
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3							
Dichlorodifluoromethane (F12)	ND	5.0	"							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ02805 - TO-15										
Blank (EJ02805-BLK1)				Prepared & Analyzed: 28-Oct-20						
Chlorobenzene	ND	4.7	ug/m3							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	38	"							
Hexachlorobutadiene	ND	54	"							
Surrogate: 1,2-Dichloroethane-d4	*41.9*		*"*	*42.7*		*98.0*	*76-134*			
Surrogate: Toluene-d8	*40.5*		*"*	*41.6*		*97.4*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*56.8*		*"*	*72.6*		*78.2*	*77-127*			
LCS (EJ02805-BS1)				Prepared & Analyzed: 28-Oct-20						
Dichlorodifluoromethane (F12)	110	5.0	ug/m3	101		105	59-128			
Vinyl chloride	48	2.6	"	52.0		93.0	64-127			
Chloroethane	49	8.0	"	53.6		91.1	63-127			
Trichlorofluoromethane (F11)	110	5.6	"	113		95.7	62-126			
1,1-Dichloroethene	70	4.0	"	80.8		86.0	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	140	7.7	"	155		92.2	66-126			
Methylene chloride (Dichloromethane)	57	3.5	"	70.8		81.2	62-115			
trans-1,2-Dichloroethene	64	8.0	"	80.8		78.6	67-124			
1,1-Dichloroethane	67	4.1	"	82.4		81.3	68-126			
cis-1,2-Dichloroethene	62	4.0	"	80.0		77.6	70-121			
Chloroform	90	4.9	"	99.2		91.0	68-123			
1,1,1-Trichloroethane	100	5.5	"	111		93.5	68-125			
1,2-Dichloroethane (EDC)	73	4.1	"	82.4		88.2	65-128			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ02805 - TO-15										
LCS (EJ02805-BS1)				Prepared & Analyzed: 28-Oct-20						
Benzene	50	3.2	ug/m3	64.8		77.6	69-119			
Carbon tetrachloride	120	6.4	"	128		90.1	68-132			
Trichloroethene	100	5.5	"	110		95.3	71-123			
Toluene	65	3.8	"	76.8		84.1	66-119			
1,1,2-Trichloroethane	97	5.5	"	111		87.4	73-119			
Tetrachloroethene	130	6.9	"	138		94.5	66-124			
1,1,1,2-Tetrachloroethane	130	7.0	"	140		92.5	67-129			
Ethylbenzene	78	4.4	"	88.4		87.8	70-124			
m,p-Xylene	79	8.8	"	88.4		88.8	61-134			
o-Xylene	74	4.4	"	88.4		83.3	67-125			
1,1,2,2-Tetrachloroethane	110	7.0	"	140		75.7	65-127			
Surrogate: 1,2-Dichloroethane-d4	*41.7*		*"*	*42.7*		*97.6*	*76-134*			
Surrogate: Toluene-d8	*39.9*		*"*	*41.6*		*96.1*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*73.6*		*"*	*72.6*		*101*	*77-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Geocon Consultants, Inc. - Burbank	Project: GC102320-10	
3303 N. San Fernando Blvd.	Project Number: T2913-77-01 / Calimesa Blvd	Reported:
Burbank, CA 91504	Project Manager: Mike Conkle	02-Nov-20 13:26

Notes and Definitions

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

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, EPA Method 8260B and H&P 8260SV.

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 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

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.

Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 10/22/20
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Geocon Consultants, Inc.	Project Name / #: T2913-77-01
Lab Client Project Manager: Mike Conkle	Project Location: 13715 Calimesa Blvd
Lab Client Address: 3303 N. San Fernando Blvd	Report E-Mail(s): conkle@geoconinc.com brito@geoconinc.com
Lab Client City, State, Zip: Burbank, CA 91504	
Phone Number: 818-841-8388 116	

Reporting Requirements

- [x] Standard Report
- [ ] Level III
- [ ] Level IV
- [ ] Excel EDD
- [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- [ ] **Rush** (specify):

Sampler Information

Sampler(s): B. Villarosales
Signature:
Date: 10/22/20

Sample Receipt (Lab Use Only)

Date Rec'd: 10/23 Control #: 200752.02
H&P Project #: GC10232O-10
Lab Work Order #: ED10087
Sample Intact: [x] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID: 60206 Temp: RT
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials: KB

Additional Instructions to Laboratory:

10/22/20 MA * Preferred VOC units (please choose one):
[ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

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, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☒ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV-1-5		10/22/20	1151	SV	400mL	007	-2.65	X						X						
SV-2-5		10/22/20	1127	SV	400mL	093	-2.42	X						X						
SV-3-5		10/22/20	1139	SV	400mL	077	-3.28	X						X						
SV-3-5 Rep		10/22/20	1144	SV	400mL	160	-3.39	X						X						
SV-4-5		10/22/20	1154	SV	400mL	119	-2.48	X						X						
SV-5-5		10/22/20	1207	SV	400mL	324	-3.61	X						X						
SV-6-5		10/22/20	1215	SV	400mL	702	-2.37	X						X						

Approved/Relinquished by:	Company: GEOCON	Date: 10/22/20	Time: 1230	Received by: B. Villarosales	Company: H&P	Date: 10/22/20	Time: 1229
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Summa

H&P Project #: GC10220-TECH
Date: 10-22-2020
Site Address: 13715 CALIMESA BLVD. CALIMESA CA
Page: 1 of 1
Consultant: GEOCON
H&P Rep(s): J. VANDERWAL
B. VILLAROSAS
Reviewed: EC
Consultant Rep(s): SCOTT BRITO
Scanned:

Equipment Info
Inline Gauge ID#: T11
Pump ID#: —

Purge Volume Information
PV Amount: 3 PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample and Summa Information							Probe Specs							Purge & Collection Information						
	Point ID	Summa ID #	Sample Kit ID #	Start Time	Initial Vac (" Hg)	End / Sample Time	End Vac (" Hg)	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 ☑ Hg ☐ H_2O
1	SV-1-5	007	044	~~1115~~ ~~-30~~ 1120	-30+	1119	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	Ø
2	SV-2-5	093	097	1125	-27.5	1127	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	Ø
3	SV-3-5	077	150	1135	-27	1139	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	-4.5
4	SV-3-5-DUP	160	150	1140	-27	1144	Ø	5	7	1/8	12	.75	6	.75	✓	✓	589	200	–	200	Ø -4.5 (SV)
5	SV-4-5	119	156	1151	-27	1154	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	-1
6	SV-5-5	324 ~~248~~ (SV)	071	~~1200~~ 1203 (SV)	-25.5	1207	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	-1
7	SV-6-5	282	069	1212	-29.5	1215	Ø	5	7	1/8	12	.75	6	.75	✓	✓	189	200	–	200	Ø
8																					
9																					
10																					
11																					
12																					

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
★ Bad summa canister : switched out 248 for 324