May 17, 2023

Mr. Pete Williams
North Palisade Partners, LLC
1330 Factory Place, Suite 105
Los Angeles, California 90013

Subject: Phase II Environmental Site Assessment
1101 California Street, Redlands, California

Dear Mr. Williams:

Hazard Management Consulting, Inc. (HMC), has prepared this report to present the results of a Phase II Environmental Site Assessment (ESA) conducted at the property located at 1101 California Street, Redlands, California (the Site; Figure 1).

BACKGROUND

The Site consists of an approximately 17-acre parcel located in a commercial/industrial area on the southwest corner of California Street and West Lugonia Avenue in the City of Redlands, San Bernardino County, California. The Site was historically used as agricultural land until at least 1989. After agricultural use at the Site, records indicate that the property became vacant in the early 1990's. In the late 1990s, the Site was developed into a water park that operated until 2018. Currently the Site is unoccupied and contains some remnants of the demolished waterpark. The Site is relatively flat, except for remaining pools and other entertainment features. The Site has a regional slope to the west and sits approximately 1,160 feet above mean sea level. Groundwater at a nearby facility was reported at depths between approximately 92 and 96 feet below ground surface (bgs) and flowing to the west.

HMC was previously retained to prepare a Phase I ESA in November 2022 (HMC, 2022). HMC's Phase l ESA did not identify any Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), or Historical RECs (HRECs). However, the Phase I ESA did identify the following non-scope items and notable features of potential environmental concern:

- Fire damage was observed at the former main building and waterslide tower presenting the potential use of firefighting foam which may have contained per- and polyfluoroalkyl substances (PFAS);
- A well was observed in the northeastern corner of the Site;
- A clarifier may potentially be present between the former main structure at the Site and food preparation area; and

- A gasoline aboveground storage tank (AST) located in the southeastern corner of the Site.

In response to the non-scope items and notable features listed above, a Phase II ESA with soil and soil vapor investigation activities was recommended and performed. This report summarizes the results of the Phase II investigation.

OBJECTIVE

The objective of the work summarized herein was to evaluate whether significant releases of hazardous substances, including total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), PFAS, and metals, have occurred at the Site. Potential releases were evaluated assuming that the Site would continue to be used for commercial purposes.

DATA EVALUATION CRITERIA

Data collected as part of the Phase II ESA were evaluated against several commonly used criteria in California. Currently, there are no generally applicable universal standards for environmental data similar to that collected as part of this investigation. Available criteria exist for specific scenarios or uses including future land use and to assess whether the sampled material will need to be removed from the Site for disposal purposes. The following soil and soil vapor criteria for commercial/industrial land use were used to evaluate the data.

Soil Criteria

Soil sampling results were compared to State and federal screening levels to assess whether detectable concentrations would present a possible human health risk to commercial/industrial occupants and the environment. Laboratory analytical results were compared to the following criteria:

- California Department of Toxic Substances Control (DTSC) Soil Screening Levels for commercial/industrial land use (DTSC-SLi);
- U.S Environmental Protection Agency (EPA) Region 9 Regional Screening Levels for commercial/industrial land use (EPA-RSLi); and
- San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels for commercial/industrial shallow soils for direct exposure human health risk (SFBRWQCB-ESLi).

The DTSC-SLi, EPA-RSLi, and SFBRWQCB-ESLi screening values and guidelines referenced in Table 1 of this report provide human health risk criteria based on dermal contact, ingestion, and inhalation of TPH as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo), VOCs and PFAS.

Metals are naturally occurring within soil and sediments. With the exception of arsenic, concentrations were compared to the human health risk criteria set forth in DTSC-SLi, EPA-RSLi, and SFBRWQCB-ESLi screening values as presented in Table 2. Due to the granitic nature of California geology, natural background concentrations of arsenic typically exceed the human health risk guidelines published by the State and federal agencies. The DTSC completed a study of naturally occurring concentrations of arsenic that would be acceptable to school properties for the Los Angeles Unified School District. Based on this study, the DTSC concluded that arsenic concentrations exceeding 12 milligrams per kilogram (mg/kg) would be considered elevated and above background levels observed locally (Chernoff et al., 2008). Table 2 also includes the published background values for metals as published by the Kearny Foundation (Bradford et al., 1996).

Groundwater in the vicinity of the Site has been reported at approximately 90 feet bgs (HMC, 2022). Given the extensive buffer zone between soil and groundwater, soil screening values for the protection of groundwater were not considered applicable for the Site.

Soil Vapor Criteria

The DTSC has established screening levels for ambient air at commercial/industrial properties based on human health risk criteria. Subsurface soil vapor screening levels (DTSC-SLi) were calculated by dividing the published ambient air screening level concentrations using a DTSC-recommended attenuation factor of 0.03 (33 to 1). The SFBRWQCB provides screening levels for ambient air, sub-slab vapor, and soil vapor (SFBRWQCB-ESLi) based on human health risk criteria for commercial/industrial settings.

It should be noted that these screening levels are used as guidelines to assess whether a potential human health risk might be present due to vapor intrusion. However, the values are extremely conservative and do not necessarily indicate the presence of a risk, but rather that additional Site evaluation, which could include engineering controls or remediation, is warranted. The soil vapor screening level guidelines are referenced and presented in Table 3 of this report.

SCOPE OF WORK

The Phase II ESA was conducted in April 2023 and included the scope of work described in the following subsections. Sample collection was generally conducted as described below, but in some cases the sample collection depths may have been adjusted based on field conditions including, but not limited to, Site lithology or whether drilling refusal was encountered. In general, soil and soil vapor samples were either collected in areas of potential environmental concern (i.e., near the former AST) and/or an evenly-spaced grid pattern spanning across the Site. A total of 16 soil borings, identified as SV-1 through SV-16, were advanced to a total depth of 5 feet bgs at the locations shown on Figure 2. Soil samples were collected at

select boring locations for chemical testing at a State-certified laboratory. Temporary 5-foot-deep soil vapor probes were installed, sampled, and abandoned at each boring location.

Soil Testing

- Collected 2.5-foot-deep soil samples (7 soil samples) from seven boring locations (SV-2, SV-3, SV-4, SV-9, SV-10, SV-11, and SV-13).
- Submitted a total of seven soil samples to a State-certified laboratory for the following analyses:
    - TPHg, TPHd, and TPHmo by EPA Method 8015B;
    - VOCs by EPA Method 8260B; and
    - California Code of Regulations Title 22 metals by EPA Methods 6010B/7471A.
- Submitted soil samples from six of the seven boring locations (SV-2, SV-3, SV-4, SV-9, SV-10, and SV-11) to a State-certified laboratory for PFAS analysis by EPA Method 537M.

Soil Vapor Testing

- Installed temporary 5-foot soil vapor probes (16 probes) at each of the 16 soil boring locations (SV-1 through SV-16).
- The temporary soil vapor probe at boring SV-5 was not sampled because it was vandalized and removed by transient trespassers prior to the performance of the soil vapor survey.
- Conducted a soil vapor survey that included the collection of 16 soil vapor samples (including 1 replicate) from 15 vapor probes for submittal to a State-certified on-Site mobile laboratory for VOC analysis by EPA Method 8260B.

DISCUSSION OF RESULTS

The following sections summarize the laboratory analytical results for soil and soil vapor samples collected as part of the Phase II ESA. Laboratory analytical reports and chain-of-custody forms for the soil and soil vapor results are included in Attachment A.

Soil Sampling Results

As summarized in Table 1, soil analytical results for TPH, VOCs, and PFAS were non-detect (ND) above laboratory reporting limits (RLs) for the majority of compounds. Furthermore, all detected compounds were reported at concentrations that were below the corresponding DTSC-SLi, EPA-RSLi, and SFBRWQCB-ESLi screening levels. As shown in Table 2, soil metals concentrations at all boring locations were either ND above laboratory RLs or present at levels that were below regulatory commercial/industrial screening criteria and/or less than typical background levels in California soils.

Soil data from the Site did not identify the presence of residual soil concentrations posing a potential risk to human health or requiring remedial action.

Soil Vapor Sampling Results

Soil vapor sampling results were either ND above RLs or below regulatory commercial/industrial screening levels for all VOCs except for chloroform. Chloroform was detected in 2 out of the 15 soil vapor probes sampled at concentrations exceeding the SFBRWQCB-ESLi screening level of 18 micrograms per cubic meter ($\mu g/m^3$). Soil vapor chloroform detections were localized and limited to the vicinity of borings SV-4-5 (124 $\mu g/m^3$) and SV-6-5 (206 $\mu g/m^3$).

Chloroform is not considered a Site-related constituent and its presence is often attributed to its formation as a chlorine disinfection by-product in potable water systems. Given the spurious and limited detections of chloroform beneath the Site, its presence in soil vapor can likely be attributed to a potable water leak. Soil vapor analytical results are presented in Table 3.

FINDINGS AND CONCLUSIONS

This report presents the results of the Phase II ESA conducted to evaluate whether significant releases of hazardous substances have occurred at the Site. This investigation included the collection of soil and soil vapor samples to assess whether concentrations of chemicals of potential concern warrant further action. The results of the Phase II ESA support the following observations, findings, and/or conclusions:

1. Soil TPH, VOC, PFAS, and metals concentrations were either ND above laboratory RLs or below regulatory screening levels and/or background levels. Soil investigation activities did not identify any residual sources of Site-related chemical constituents.

2. Although chloroform was detected above regulatory screening criteria at 2 out of 15 locations, it is not considered a Site-related constituent of concern. The localized and limited detection of chloroform in soil vapor can likely attributed to the potential presence of a potable water leak beneath the Site.

3. No “source areas” were identified as part of this assessment. Soil and soil vapor data collected during the Phase II ESA did not show evidence of a significant release of hazardous substances at the Site.

RECOMENDATIONS

Based on the results of this Phase II ESA, HMC has no recommendations for further investigation and no further action is currently warranted for the Site provided it remains in use for commercial/industrial purposes.

We thank you for the opportunity to provide environmental support services for the subject Site. If there are any questions or comments regarding this report, please contact either of the undersigned at your convenience.

Sincerely,
Hazard Management Consulting, Inc.

Mark S. Cousineau
Principal

Jeff Gwinn, P.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
JEFFREY P. GWINN
NO. C 044742
CIVIL
STATE OF CALIFORNIA

Attachments:

Table 1 – Laboratory Results of Soil Sampling - Petroleum Hydrocarbons, VOCs, and PFAS
Table 2 – Laboratory Results of Soil Sampling - Metals
Table 3 – Laboratory Results of Soil Vapor Sampling
Figure 1 – Site Vicinity Map
Figure 2 – Sample Location Map
Attachment A – Laboratory Reports

References:

Bradford, G.R., Change, A.C., Page, A.L., Bakhtar, D., Frampton, J.A., & Wright, H., 1996. "Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California," March.

Chernoff, G., Bosan, W., & Oudiz, D., 2008. "Determination of a Southern California Regional Background Arsenic Concentration in Soil," California Department of Toxic Substances Control.

HMC, 2022. "Phase I Environmental Site Assessment, 1101 California Street, Redlands, California 92374" Prepared for Xebec Realty, November 9, 2022.

TABLE 1 - LABORATORY RESULTS OF SOIL SAMPLING - PETROLEUM HYDROCARBONS, VOCS, and PFAS								
			Petroleum Hydrocarbons (mg/kg)			VOCs (ug/kg)		PFAS (ug/kg)
Sample Location	Depth (feet bgs)	Date Sampled	Gasoline C4-C12	Diesel C13-C22	Motor Oil C23-C44	Acetone	Benzene	Perfluorooctane Sulfonate
SV-2-2.5	2.5	4/3/23	ND<0.500	3.34	107	25.3 J	ND<2.00	ND<2.5
SV-3-2.5	2.5	4/3/23	ND<0.500	ND<2.50	ND<100	ND<80.0	ND<2.00	5.7
SV-4-2.5	2.5	4/3/23	ND<0.500	ND<2.50	56.8 J	ND<80.0	ND<2.00	ND<2.5
SV-9-2.5	2.5	4/3/23	ND<0.500	ND<2.50	53.3 J	ND<80.0	ND<2.00	ND<2.5
SV-10-2.5	2.5	4/3/23	ND<0.500	7.78	180	ND<80.0	1.08 J	ND<2.5
SV-11-2.5	2.5	4/3/23	ND<0.500	ND<2.50	ND<100	ND<80.0	ND<2.00	ND<2.5
SV-13-2.5	2.5	4/3/23	ND<0.500	ND<2.50	54.1 J	ND<80.0	ND<2.00	NS
Regulatory Screening Levels - Protection of Human Health								
DTSC-Sli			500	NA	NA	NA	1400	NA
EPA-RSLi			1,500	440	3,500,000	1,100,000,000	5,100	1,600
SFBRWQCB-ESLi			1,818	1,084	54,452	271,597,437	1,400	NA

Notes:

bgs - Below ground surface.

Petroleum hydrocarbons analyzed using USEPA Method 8015B and reported in milligrams per kilogram (mg/kg).

Volatile organic compounds (VOCs) analyzed using USEPA Method 8260B and reported in micrograms per kilogram (ug/kg).

Per-and Polyflourinated Alkyl Substances (PFAS) analyzed using USEPA Method 537M PFAS and reported in ug/kg.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

ND - Not detected above laboratory reporting limit listed.

NS - Not sampled for analyte listed.

NA - Not available.

DTSC-SLi - California Department of Toxic Substance Control, Human and Ecological Risk Office Note 3, soil screening level for industrial/commercial land use, May 2022.

EPA-RSLi - United States Environmental Protection Agency Regional Screening Level for soil for industrial/commercial land use, November 2022.

SFBRWQCB-ESLi - San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels Workbook, direct exposure human health risk level for soil, 2019 rev. 2.

Bolded data indicate concentrations exceeding regulatory screening levels.

TABLE 2 - LABORATORY RESULTS OF SOIL SAMPLING - METALS

Sample Location	Depth (feet bgs)	Date Sampled	Metals (mg/kg)															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdendum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SV-2-2.5	2.5	4/3/2023	1.20 J	ND<2.00	78.9	0.418 J	ND<1.00	17.8	10.8	24.8	7.40	ND<0.1	ND<1.00	14.6	ND<2.00	ND<1.00	ND<2.00	41.2	77.6
SV-3-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	91.9	0.507 J	ND<1.00	20.4	13.4	19.5	5.60	ND<0.1	0.124 J	17.5	ND<2.00	ND<1.00	ND<2.00	47.8	56.6
SV-4-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	118.0	0.488 J	ND<1.00	21.1	13.2	32.3	7.73	ND<0.1	ND<1.00	21.1	ND<2.00	0.357 J	ND<2.00	46.5	65.8
SV-9-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	86.7	0.436 J	ND<1.00	17.9	11.5	14.9	4.53	ND<0.1	ND<1.00	15.0	ND<2.00	ND<1.00	ND<2.00	43.1	50.3
SV-10-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	87.0	0.454 J	ND<1.00	19.6	12.1	22.0	7.15	ND<0.1	ND<1.00	16.3	ND<2.00	ND<1.00	ND<2.00	44.4	62.4
SV-11-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	88.0	0.426 J	ND<1.00	19.6	11.9	22.1	7.24	ND<0.1	ND<1.00	15.7	ND<2.00	ND<1.00	ND<2.00	42.9	62.9
SV-13-2.5	2.5	4/3/2023	ND<2.00	ND<2.00	89.5	0.484 J	ND<1.00	22.9	13.9	21.4	5.60	ND<0.1	ND<1.00	18.6	ND<2.00	ND<1.00	ND<2.00	50.0	55.7
Regulatory Screening Levels - Protection of Human Health																			
DTSC-Sli			NA	0.36	NA	230	79	NA	NA	NA	500	4.4	NA	11,000	NA	NA	NA	NA	NA
EPA-RSLi			470	3.0	220,000	2,300	100	NA	350	47,000	800	46	5,800	22,000	5,800	5,800	12	5,800	350,000
SFBRWQCB-ESLi			50	0.31	3,019	27	51	NA	28	14,158	160	44	1,770	86	1,745	1,770	3.5	466	106,182
KEARNY BACKGROUND			0.60	12	509	1.3	0.36	122	15	29	24	0.26	1.3	57	0.058	0.80	0.56	112	149

Notes:

bgs - Below ground surface.

Metals analyzed using USEPA Method 6010B/ 7471A and reported in milligrams per kilogram (mg/kg).

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

ND - Not detected above laboratory reporting limit listed.

NA - Not available.

DTSC-SLi - California Department of Toxic Substance Control, Human and Ecological Risk Office Note 3, soil screening level for industrial/commercial land use, May 2022.

EPA-RSLi - United States Environmental Protection Agency Regional Screening Level for soil for industrial/commercial land use, November 2022.

SFBRWQCB-ESLi - San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels Workbook, direct exposure human health risk level for soil, 2019 rev. 2

Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996. Arsenic background level from: Determination of a Southern California Regional Background Arsenic Concentration in Soil, California Department of Toxic Substances Control, January 2018 .

Bolded data indicate concentrations exceeding regulatory screening levels and typical background concentrations.

TABLE 3 - LABORATORY RESULTS OF SOIL VAPOR SAMPLING

Sample ID	Depth (feet bgs)	Date Sampled	VOCs (ug/m^3) Chloroform	Ethylbenzene	n-Propylbenzene	Styrene	Tetrachloroethene (PCE)	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m,p-Xylene	o-Xylene
SV-1-5	5	04/26/23	ND <8	32	10	23	12	58	46	16	143	46
SV-2-5	5	04/26/23	8.0	11	ND <8	15	10	27	16	ND <8	53	15
SV-3-5	5	04/26/23	ND <8	15	ND <8	16	12	21	12	ND <8	50	20
SV-4-5	5	04/26/23	**124**	ND <8	ND <8	ND <8	ND <8	11	ND <8	ND <8	ND <16	ND <8
SV-5-5	5	04/26/23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SV-6-5	5	04/26/23	**206**	ND <8	ND <8	ND <8	10	12	9.0	ND <8	ND <16	ND <8
SV-7-5	5	04/26/23	ND <8	12	ND <8	23	10	22	26	ND <8	67	33
SV-8-5	5	04/26/23	ND <8	10	ND <8	20	ND <8	17	14	ND <8	51	21
SV-9-5	5	04/26/23	ND <8	11	ND <8	12	10	20	9.0	ND <8	41	16
SV-10-5	5	04/26/23	ND <8	19	ND <8	30	18	35	20	ND <8	74	36
SV-11-5	5	04/26/23	17	15	ND <8	26	18	18	22	ND <8	61	30
SV-12-5	5	04/26/23	ND <8	13	ND <8	27	ND <8	19	19	ND <8	57	24
SV-12-5-Rep	5	04/26/23	ND <8	13	ND <8	26	11	28	23	ND <8	58	29
SV-13-5	5	04/26/23	ND <8	8.0	ND <8	14	9.0	10	9.0	ND <8	40	16
SV-14-5	5	04/26/23	ND <8	35	ND <8	ND <8	12	83	15	ND <8	134	51
SV-15-5	5	04/26/23	ND <8	11	ND <8	17	9.0	16	10	ND <8	40	19
SV-16-5	5	04/26/23	ND <8	ND <8	ND <8	ND <8	ND <8	14	ND <8	ND <8	20	11
Regulatory Screening Levels - Protection of Human Health												
DTSC-SLi			NA	NA	NA	130,000	67	43,333	NA	NA	NA	NA
SFBRWQCB-ESLi			18	160	NA	131,400	67	43,800	NA	NA	NA	NA

Notes:

Sample ID - Sample Identification.

bgs - below ground surface.

VOCs - Volatile organic compounds analyzed in general accordance with EPA Method 8260B and reported in micrograms per cubic meter (ug/m3).

ND - Not detected above laboratory reporting limit listed.

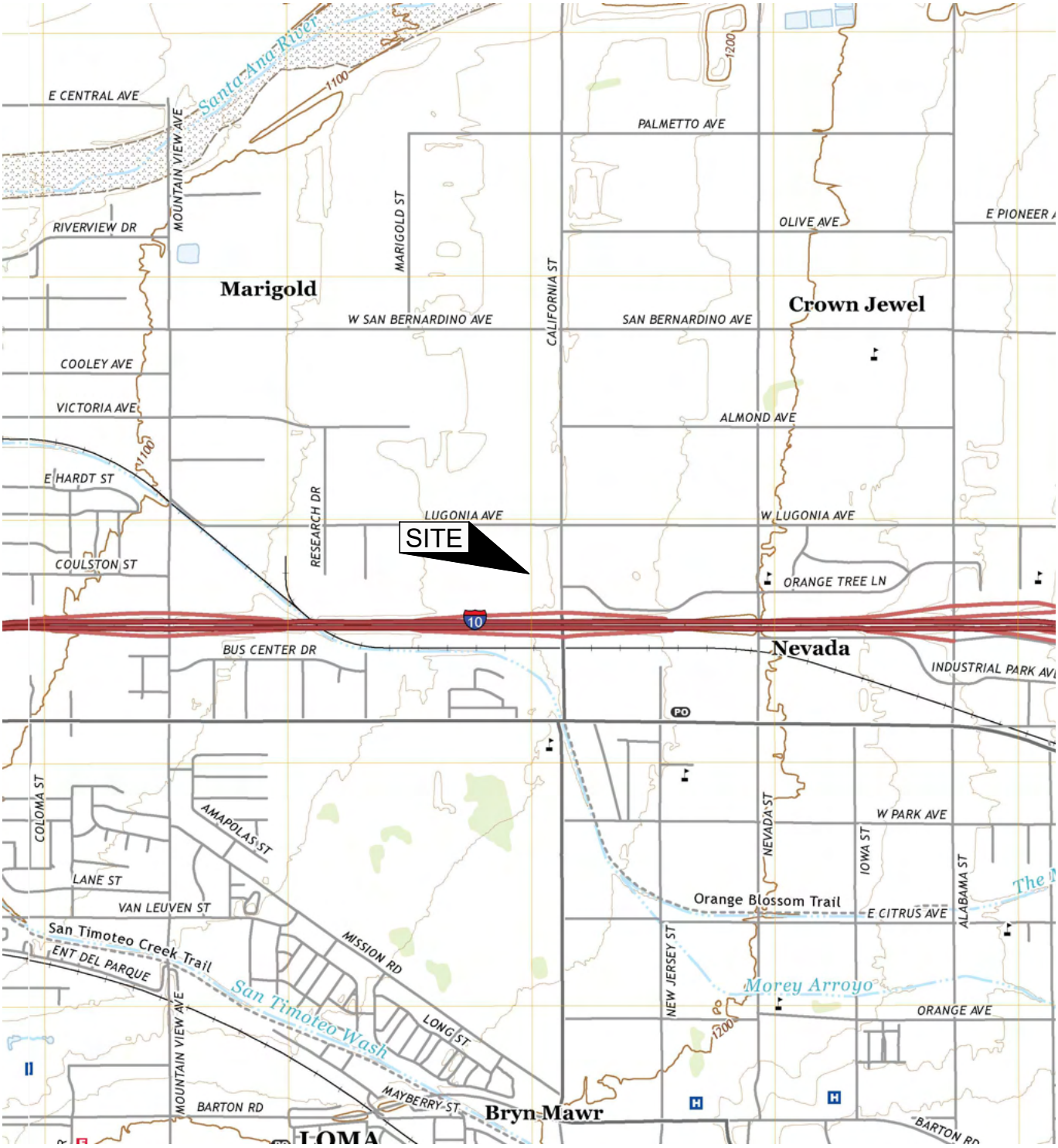
NS - Not sampled due to soil vapor probe being removed.

DTSC-SLi - California Department of Toxic Substance Control, Human and Ecological Risk Office Note 3, ambient air screening level for industrial/commercial land use divided by the suggested attenuation factor of 0.03, June 2020.

SFBRWQCB-ESLi - San Francisco Bay Regional Water Quality Control Board, Environmental Screening Levels Workbook, direct exposure human health risk level for soil vapor, 2019 rev. 2.

NA - Not available.

Bolded data indicate concentrations exceeding regulatory screening levels.



Reference:
U.S.G.S. 7.5-Minute Topographic Map,
Redlands & San Bernardino South, 2018.

0 1,000 2,000
APPROXIMATE SCALE IN FEET

HMC
HAZARD MANAGEMENT CONSULTING

FIGURE 1
SITE VICINITY MAP

1101 CALIFORNIA STREET -
REDLANDS, CALIFORNIA

TICAL-SL.dwg

WEST LUGONIA AVENUE

SV-1
SV-3
WELL
SV-5
FORMER WATERSLIDES
SV-2
SV-4
SV-6
SV-7
SV-8
SV-9
CLARIFIER
SV-11
FORMER MAIN BUILDING
SV-12
SV-10
GASOLINE UST
SV-13
SV-14
SV-15
SV-16

CALIFORNIA STREET

REDLANDS HIGHWAY

Legend

- Site Boundary
- SV-1 — Soil Vapor Probe at 5ft
- SV-2 — Soil Vapor Probe at 5ft & Soil Sample at 2.5ft
- Area historically noted with extensive fire damage

0 100 200

APPROXIMATE SCALE IN FEET

HMC HAZARD MANAGEMENT CONSULTING

FILE NAME: 71CAL-ST.dwg	DRAWN BY: BCD CHECKED BY: JG DATE: 04/2023	**SAMPLE LOCATION MAP** 1101 CALIFORNIA STREET - REDLANDS CALIFORNIA

PLATE: **2**

ATTACHMENT A

Laboratory Reports

POSITIVE
LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

April 10, 2023

Karla Rivera
Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Report No.: 2304008

Project Name: HMC - Redland / P.O. # 71CAL

Dear Karla Rivera,

This report contains the analytical results for the sample(s) received under chain of custody(s) by Positive Lab Service on April 03, 2023.

The test results in this report are performed in compliance with ELAP accreditation requirements for the certified parameters. The laboratory report may not be produced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary data should not be used for regulatory purposes. Authorized signature(s) is provided on final report only.

If you have any questions in reference to this report, please contact your Positive Lab Service coordinator.

D Sandy
Project Manager

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-2-2.5 Soil (2304008-01) Sampled: 04/03/23 10:00 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*112 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	**3.34**		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	**107**		1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*141 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	**25.3**	J	1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND		1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-2-2.5 Soil (2304008-01) Sampled: 04/03/23 10:00 Received: 04/03/23

Bromodichloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND	1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-2-2.5 Soil (2304008-01) Sampled: 04/03/23 10:00 Received: 04/03/23

Naphthalene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*95.3 %*			*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*103 %*			*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*90.1 %*			*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	**1.20**	J	1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**78.9**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.418**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**17.8**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**10.8**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**24.8**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**7.40**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**14.6**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**41.2**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**77.6**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-3-2.5 Soil (2304008-02) Sampled: 04/03/23 09:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*112 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*
TPH C13 - C22	ND		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	ND		1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*135 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-3-2.5 Soil (2304008-02) Sampled: 04/03/23 09:30 Received: 04/03/23

1,1-Dichloroethene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND	1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND	1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND	1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND	1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND	1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-3-2.5 Soil (2304008-02) Sampled: 04/03/23 09:30 Received: 04/03/23

Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*104 %*		*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*94.8 %*		*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*92.2 %*		*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**91.9**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.507**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**20.4**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**13.4**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**19.5**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-3-2.5 Soil (2304008-02) Sampled: 04/03/23 09:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Lead	**5.60**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	**0.124**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**17.5**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**47.8**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**56.6**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-4-2.5 Soil (2304008-03) Sampled: 04/03/23 09:00 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*89.8 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	**56.8**	J	1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*142 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND		1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-4-2.5 Soil (2304008-03) Sampled: 04/03/23 09:00 Received: 04/03/23

Chloroform	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND	1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND	1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

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2955 Redondo Beach Ave.
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Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-4-2.5 Soil (2304008-03) Sampled: 04/03/23 09:00 Received: 04/03/23

tert-Butylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*101 %*			*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*92.7 %*			*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*97.2 %*			*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**118**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.488**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**21.1**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**13.2**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**32.3**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**7.73**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**21.1**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	**0.357**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**46.5**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**65.8**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-9-2.5 Soil (2304008-04) Sampled: 04/03/23 07:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*102 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-9-2.5 Soil (2304008-04) Sampled: 04/03/23 07:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	**53.3**	J	1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*144 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND		1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND		1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND		1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-9-2.5 Soil (2304008-04) Sampled: 04/03/23 07:30 Received: 04/03/23

cis-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-9-2.5 Soil (2304008-04) Sampled: 04/03/23 07:30 Received: 04/03/23

Surrogate: Dibromofluoromethane	*97.5 %*			*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*96.4 %*			*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*88.4 %*			*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**86.7**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.436**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**17.9**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**11.5**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**14.9**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**4.53**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**15.0**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**43.1**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**50.3**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-10-2.5 Soil (2304008-05) Sampled: 04/03/23 08:10 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*105 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	**7.78**		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	**180**		1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*141 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-10-2.5 Soil (2304008-05) Sampled: 04/03/23 08:10 Received: 04/03/23

Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND		1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND		1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	**1.08**	J	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND		1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-10-2.5 Soil (2304008-05) Sampled: 04/03/23 08:10 Received: 04/03/23

o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*101 %*		*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*95.5 %*		*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*86.5 %*		*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**87.0**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.454**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**19.6**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**12.1**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**22.0**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**7.15**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**16.3**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

POSITIVE LAB SERVICE

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Certificate of Analysis

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Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-10-2.5 Soil (2304008-05) Sampled: 04/03/23 08:10 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**44.4**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**62.4**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-11-2.5 Soil (2304008-06) Sampled: 04/03/23 08:50 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*94.2 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
TPH C23 - C44	ND		1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*131 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND		1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-11-2.5 Soil (2304008-06) Sampled: 04/03/23 08:50 Received: 04/03/23

1,1,1-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND	1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND	1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-11-2.5 Soil (2304008-06) Sampled: 04/03/23 08:50 Received: 04/03/23

sec-Butylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*102 %*			*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*98.1 %*			*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*82.7 %*			*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**88.0**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.426**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**19.6**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**11.9**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**22.1**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**7.24**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**15.7**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**42.9**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**62.9**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

Sample ID: SV-13-2.5 Soil (2304008-07) Sampled: 04/03/23 08:55 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C4 - C12	ND		1	mg/kg	0.100	0.500	EPA 5035	EPA 8015B	04/03/23	04/03/23	lk	BD30417
Surrogate: a,a,a-Trifluorotoluene	*102 %*			*41-131*			*EPA 5035*	*EPA 8015B*	*04/03/23*	*04/03/23*	*lk*	*BD30417*

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
TPH C13 - C22	ND		1	mg/kg	2.00	2.50	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-13-2.5 Soil (2304008-07) Sampled: 04/03/23 08:55 Received: 04/03/23

TPH C23 - C44	**54.1**	J	1	mg/kg	50.0	100	EPA 3550C	EPA 8015B	04/05/23	04/06/23	lk	BD30522
Surrogate: n-Tetracosane	*142 %*			*46-149*			*EPA 3550C*	*EPA 8015B*	*04/05/23*	*04/06/23*	*lk*	*BD30522*
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Dichlorodifluoromethane (FC-12)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl chloride (Chloroethylene)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromomethane (Methyl bromide)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichlorofluoromethane (FC-11)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon disulfide	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methylene chloride (Dichloromethane)	ND		1	ug/kg	20.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Acetone	ND		1	ug/kg	20.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Methyl tert-butyl ether (MTBE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-butyl alcohol	ND		1	ug/kg	15.0	20.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Di-isopropyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethyl tert-butyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Vinyl acetate	ND		1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,2-Dichloroethene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromochloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chloroform	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Carbon tetrachloride	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1-Trichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Butanone (MEK)	ND		1	ug/kg	10.0	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Benzene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Tert-amyl methyl ether	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloroethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Trichloroethene (TCE)	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromomethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichloropropane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromodichloromethane	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dioxane	ND		1	ug/kg	75.0	80.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
cis-1,3-Dichloropropene	ND		1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Toluene	ND		1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718

POSITIVE LAB SERVICE

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Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-13-2.5 Soil (2304008-07) Sampled: 04/03/23 08:55 Received: 04/03/23

Tetrachloroethene (PCE)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Methyl-2-pentanone (MIBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
trans-1,3-Dichloropropene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2-Trichloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Dibromochloromethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromoethane (EDB)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Hexanone (MBK)	ND	1	ug/kg	5.00	40.0	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Chlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Ethylbenzene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,1,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
m,p-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
o-Xylene	ND	1	ug/kg	1.00	2.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Styrene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromoform (Tribromomethane)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Isopropylbenzene (Cumene)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Bromobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Propylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,1,2,2-Tetrachloroethane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
2-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichloropropane	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3,5-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Chlorotoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
tert-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trimethylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
sec-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
4-Isopropyltoluene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,3-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,4-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
n-Butylbenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,4-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Hexachlorobutadiene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Naphthalene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
1,2,3-Trichlorobenzene	ND	1	ug/kg	2.00	4.00	EPA 5035	EPA 8260B	04/03/23	04/03/23	mb	BD30718
Surrogate: Dibromofluoromethane	*105 %*		*74-121*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: Toluene-d8	*97.6 %*		*80-120*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*
Surrogate: 4-Bromofluorobenzene	*97.8 %*		*74-126*			*EPA 5035*	*EPA 8260B*	*04/03/23*	*04/03/23*	*mb*	*BD30718*

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

File #:73287
Report Date: 04/10/23
Submitted: 04/03/23

PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-13-2.5 Soil (2304008-07) Sampled: 04/03/23 08:55 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Antimony	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Arsenic	ND		1	mg/kg	0.500	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Barium	**89.5**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Beryllium	**0.484**	J	1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cadmium	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Chromium	**22.9**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Cobalt	**13.9**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Copper	**21.4**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Lead	**5.60**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Molybdenum	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Nickel	**18.6**		1	mg/kg	0.200	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Selenium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Silver	ND		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Thallium	ND		1	mg/kg	1.00	2.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Vanadium	**50.0**		1	mg/kg	0.100	1.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Zinc	**55.7**		1	mg/kg	1.00	5.00	EPA 3050B	EPA 6010B	04/04/23	04/04/23	JKS	BD30509
Analyte	Results	Flag	D.F.	Units	MDL	PQL	Prep/Test Method		Prepared	Analyzed	By	Batch
Mercury	ND		1	mg/kg	0.0400	0.100	EPA 7471A	EPA 7471A	04/04/23	04/04/23	jks	BD30425

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Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30417 - EPA 5035										
Blank	**Prepared & Analyzed: 04/03/23**									
TPH C4 - C12	ND	0.500	mg/kg							
Surrogate: a,a,a-Trifluorotoluene	*0.0333*		mg/kg	*0.03000*		*111*	*41-131*			
LCS	**Prepared & Analyzed: 04/03/23**									
Gasoline	0.676	0.500	mg/kg	0.9096		74.3	58-116			
Matrix Spike Source: 2304008-01	**Prepared & Analyzed: 04/03/23**									
Gasoline	1.17	0.500	mg/kg	1.819	ND	64.3	48-118			
Matrix Spike Dup Source: 2304008-01	**Prepared & Analyzed: 04/03/23**									
Gasoline	1.14	0.500	mg/kg	1.819	ND	62.8	48-118	2.42	30	
Batch BD30522 - EPA 3550C										
Blank	**Prepared & Analyzed: 04/05/23**									
TPH C13 - C22	ND	2.50	mg/kg							
TPH C23 - C44	ND	100	mg/kg							
Surrogate: n-Tetracosane	*28.2*		mg/kg	*20.83*		*135*	*46-149*			
LCS	**Prepared: 04/05/23 Analyzed: 04/06/23**									
Diesel	988	12.5	mg/kg	732.0		135	55-140			
Surrogate: n-Tetracosane	*34.0*		mg/kg	*20.83*		*163*	*49-168*			
Matrix Spike Source: 2304030-01	**Prepared: 04/05/23 Analyzed: 04/06/23**									
Diesel	178	2.50	mg/kg	110.9	148	27.2	35-143			V-2
Surrogate: n-Tetracosane	*28.0*		mg/kg	*20.83*		*135*	*48-155*			
Matrix Spike Dup Source: 2304030-01	**Prepared: 04/05/23 Analyzed: 04/06/23**									
Diesel	206	2.50	mg/kg	110.9	148	52.3	35-143	63.0	30	V-2
Surrogate: n-Tetracosane	*32.5*		mg/kg	*20.83*		*156*	*48-155*			
Batch BD30718 - EPA 5035										
Blank	**Prepared & Analyzed: 04/03/23**									
Dichlorodifluoromethane (FC-12)	ND	4.00	ug/kg							
Chloromethane	ND	4.00	ug/kg							
Vinyl chloride (Chloroethylene)	ND	4.00	ug/kg							
Bromomethane (Methyl bromide)	ND	4.00	ug/kg							
Chloroethane	ND	4.00	ug/kg							
Trichlorofluoromethane (FC-11)	ND	4.00	ug/kg							
1,1-Dichloroethene	ND	4.00	ug/kg							
Carbon disulfide	ND	40.0	ug/kg							
Methylene chloride (Dichloromethane)	ND	20.0	ug/kg							
Acetone	ND	80.0	ug/kg							
trans-1,2-Dichloroethene	ND	4.00	ug/kg							

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Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30718 - EPA 5035										
Methyl tert-butyl ether (MTBE)	ND	4.00	ug/kg							
Tert-butyl alcohol	ND	20.0	ug/kg							
Di-isopropyl ether	ND	4.00	ug/kg							
1,1-Dichloroethane	ND	4.00	ug/kg							
Ethyl tert-butyl ether	ND	4.00	ug/kg							
Vinyl acetate	ND	40.0	ug/kg							
2,2-Dichloropropane	ND	4.00	ug/kg							
cis-1,2-Dichloroethene	ND	4.00	ug/kg							
Bromochloromethane	ND	4.00	ug/kg							
Chloroform	ND	4.00	ug/kg							
Carbon tetrachloride	ND	4.00	ug/kg							
1,1,1-Trichloroethane	ND	4.00	ug/kg							
1,1-Dichloropropene	ND	4.00	ug/kg							
2-Butanone (MEK)	ND	40.0	ug/kg							
Benzene	ND	2.00	ug/kg							
Tert-amyl methyl ether	ND	4.00	ug/kg							
1,2-Dichloroethane	ND	4.00	ug/kg							
Trichloroethene (TCE)	ND	4.00	ug/kg							
Dibromomethane	ND	4.00	ug/kg							
1,2-Dichloropropane	ND	4.00	ug/kg							
Bromodichloromethane	ND	4.00	ug/kg							
1,4-Dioxane	ND	80.0	ug/kg							
cis-1,3-Dichloropropene	ND	4.00	ug/kg							
Toluene	ND	2.00	ug/kg							
Tetrachloroethene (PCE)	ND	4.00	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	40.0	ug/kg							
trans-1,3-Dichloropropene	ND	4.00	ug/kg							
1,1,2-Trichloroethane	ND	4.00	ug/kg							
Dibromochloromethane	ND	4.00	ug/kg							
1,3-Dichloropropane	ND	4.00	ug/kg							
1,2-Dibromoethane (EDB)	ND	4.00	ug/kg							
2-Hexanone (MBK)	ND	40.0	ug/kg							
Chlorobenzene	ND	4.00	ug/kg							
Ethylbenzene	ND	2.00	ug/kg							
1,1,1,2-Tetrachloroethane	ND	4.00	ug/kg							
m,p-Xylene	ND	2.00	ug/kg							
o-Xylene	ND	2.00	ug/kg							
Styrene	ND	4.00	ug/kg							
Bromoform (Tribromomethane)	ND	4.00	ug/kg							

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PLS Report No.: 2304008

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30718 - EPA 5035										
Isopropylbenzene (Cumene)	ND	4.00	ug/kg							
Bromobenzene	ND	4.00	ug/kg							
n-Propylbenzene	ND	4.00	ug/kg							
1,1,2,2-Tetrachloroethane	ND	4.00	ug/kg							
2-Chlorotoluene	ND	4.00	ug/kg							
1,2,3-Trichloropropane	ND	4.00	ug/kg							
1,3,5-Trimethylbenzene	ND	4.00	ug/kg							
4-Chlorotoluene	ND	4.00	ug/kg							
tert-Butylbenzene	ND	4.00	ug/kg							
1,2,4-Trimethylbenzene	ND	4.00	ug/kg							
sec-Butylbenzene	ND	4.00	ug/kg							
4-Isopropyltoluene	ND	4.00	ug/kg							
1,3-Dichlorobenzene	ND	4.00	ug/kg							
1,4-Dichlorobenzene	ND	4.00	ug/kg							
n-Butylbenzene	ND	4.00	ug/kg							
1,2-Dichlorobenzene	ND	4.00	ug/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.00	ug/kg							
1,2,4-Trichlorobenzene	ND	4.00	ug/kg							
Hexachlorobutadiene	ND	4.00	ug/kg							
Naphthalene	ND	4.00	ug/kg							
1,2,3-Trichlorobenzene	ND	4.00	ug/kg							
Surrogate: Dibromofluoromethane	*10.9*		ug/kg	*10.00*		*109*	*74-121*			
Surrogate: Toluene-d8	*9.15*		ug/kg	*10.00*		*91.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10.2*		ug/kg	*10.00*		*102*	*74-126*			
LCS	**Prepared & Analyzed: 04/03/23**									
1,1-Dichloroethene	23.0	4.00	ug/kg	20.00		115	64-137			
Methyl tert-butyl ether (MTBE)	22.2	4.00	ug/kg	20.00		111	62-123			
Benzene	20.2	2.00	ug/kg	20.00		101	65-120			
Trichloroethene (TCE)	21.0	4.00	ug/kg	20.00		105	72-120			
Toluene	20.4	2.00	ug/kg	20.00		102	69-120			
Chlorobenzene	20.2	4.00	ug/kg	20.00		101	67-123			
Surrogate: Dibromofluoromethane	*10.6*		ug/kg	*10.00*		*106*	*79-120*			
Surrogate: Toluene-d8	*9.88*		ug/kg	*10.00*		*98.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10.5*		ug/kg	*10.00*		*105*	*80-120*			
Matrix Spike Source: 2304008-01	**Prepared & Analyzed: 04/07/23**									
1,1-Dichloroethene	21.9	4.00	ug/kg	20.00	ND	110	63-144			
Benzene	19.5	2.00	ug/kg	20.00	ND	97.6	63-124			
Trichloroethene (TCE)	21.1	4.00	ug/kg	20.00	ND	105	61-136			
Toluene	19.5	2.00	ug/kg	20.00	ND	97.3	57-132			

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Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30718 - EPA 5035										
Chlorobenzene	19.9	4.00	ug/kg	20.00	ND	99.6	46-157			
Surrogate: Dibromofluoromethane	*9.67*		ug/kg	*10.00*		*96.7*	*76-120*			
Surrogate: Toluene-d8	*9.89*		ug/kg	*10.00*		*98.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10.0*		ug/kg	*10.00*		*100*	*80-120*			
Matrix Spike Dup Source: 2304008-01	**Prepared & Analyzed: 04/07/23**									
1,1-Dichloroethene	24.3	4.00	ug/kg	20.00	ND	122	63-144	10.3	30	
Benzene	20.3	2.00	ug/kg	20.00	ND	102	63-124	4.17	30	
Trichloroethene (TCE)	22.2	4.00	ug/kg	20.00	ND	111	61-136	5.09	30	
Toluene	19.1	2.00	ug/kg	20.00	ND	95.4	57-132	2.02	30	
Chlorobenzene	17.0	4.00	ug/kg	20.00	ND	85.1	46-157	15.8	30	
Surrogate: Dibromofluoromethane	*10.8*		ug/kg	*10.00*		*108*	*76-120*			
Surrogate: Toluene-d8	*9.71*		ug/kg	*10.00*		*97.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*10.9*		ug/kg	*10.00*		*109*	*80-120*			
Batch BD30509 - EPA 3050B										
Blank	**Prepared & Analyzed: 04/04/23**									
Antimony	ND	2.00	mg/kg							
Arsenic	ND	2.00	mg/kg							
Barium	ND	1.00	mg/kg							
Beryllium	ND	1.00	mg/kg							
Cadmium	ND	1.00	mg/kg							
Chromium	ND	1.00	mg/kg							
Cobalt	ND	1.00	mg/kg							
Copper	ND	1.00	mg/kg							
Lead	ND	1.00	mg/kg							
Molybdenum	0.118	1.00	mg/kg							J
Nickel	ND	1.00	mg/kg							
Selenium	ND	2.00	mg/kg							
Silver	ND	1.00	mg/kg							
Thallium	ND	2.00	mg/kg							
Vanadium	ND	1.00	mg/kg							
Zinc	ND	5.00	mg/kg							
LCS	**Prepared & Analyzed: 04/04/23**									
Antimony	44.2	2.00	mg/kg	50.00		88.5	60-140			
Arsenic	44.9	2.00	mg/kg	50.00		89.7	80-120			
Barium	209	1.00	mg/kg	200.0		105	80-120			
Beryllium	4.81	1.00	mg/kg	5.000		96.1	80-120			
Cadmium	4.79	1.00	mg/kg	5.000		95.8	80-120			
Chromium	18.8	1.00	mg/kg	20.00		94.2	80-120			

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2955 Redondo Beach Ave.
Long Beach, CA 90806

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759

Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30509 - EPA 3050B										
Cobalt	50.3	1.00	mg/kg	50.00		101	80-120			
Copper	25.0	1.00	mg/kg	25.01		100	80-120			
Lead	47.9	1.00	mg/kg	50.00		95.8	80-120			
Molybdenum	43.7	1.00	mg/kg	50.00		87.4	80-120			
Nickel	50.6	1.00	mg/kg	50.00		101	80-120			
Selenium	45.5	2.00	mg/kg	50.00		90.9	80-120			
Silver	4.42	1.00	mg/kg	4.970		88.9	80-120			
Thallium	47.5	2.00	mg/kg	50.00		95.0	80-120			
Vanadium	46.7	1.00	mg/kg	50.00		93.4	80-120			
Zinc	47.9	5.00	mg/kg	50.00		95.8	80-120			
Matrix Spike **Source: 2303117-24**	**Prepared & Analyzed: 04/04/23**									
Antimony	43.2	2.00	mg/kg	50.00	ND	86.4	60-140			
Arsenic	45.2	2.00	mg/kg	50.00	ND	90.4	75-125			
Barium	243	1.00	mg/kg	200.0	53.2	95.0	75-125			
Beryllium	4.76	1.00	mg/kg	5.000	0.224	90.6	75-125			
Cadmium	3.15	1.00	mg/kg	5.000	ND	63.0	75-125			M
Chromium	25.0	1.00	mg/kg	20.00	5.34	98.4	75-125			
Cobalt	52.2	1.00	mg/kg	50.00	5.58	93.3	75-125			
Copper	32.7	1.00	mg/kg	25.01	8.45	96.9	75-125			
Lead	48.0	1.00	mg/kg	50.00	2.07	91.9	75-125			
Molybdenum	44.6	1.00	mg/kg	50.00	0.376	88.5	75-125			
Nickel	53.1	1.00	mg/kg	50.00	6.02	94.2	75-125			
Selenium	43.0	2.00	mg/kg	50.00	ND	86.0	75-125			
Silver	4.30	1.00	mg/kg	4.970	ND	86.4	75-125			
Thallium	42.3	2.00	mg/kg	50.00	ND	84.5	75-125			
Vanadium	75.4	1.00	mg/kg	50.00	29.7	91.3	75-125			
Zinc	75.3	5.00	mg/kg	50.00	31.1	88.3	75-125			
Matrix Spike Dup **Source: 2303117-24**	**Prepared & Analyzed: 04/04/23**									
Antimony	41.3	2.00	mg/kg	50.00	ND	82.7	60-140	4.44	30	
Arsenic	45.4	2.00	mg/kg	50.00	ND	90.8	75-125	0.469	30	
Barium	252	1.00	mg/kg	200.0	53.2	99.6	75-125	4.66	30	
Beryllium	4.80	1.00	mg/kg	5.000	0.224	91.6	75-125	1.05	30	
Cadmium	3.31	1.00	mg/kg	5.000	ND	66.1	75-125	4.76	30	M
Chromium	23.6	1.00	mg/kg	20.00	5.34	91.4	75-125	7.38	30	
Cobalt	51.6	1.00	mg/kg	50.00	5.58	92.0	75-125	1.40	30	
Copper	32.5	1.00	mg/kg	25.01	8.45	96.1	75-125	0.852	30	
Lead	47.7	1.00	mg/kg	50.00	2.07	91.2	75-125	0.742	30	
Molybdenum	44.5	1.00	mg/kg	50.00	0.376	88.3	75-125	0.223	30	
Nickel	52.9	1.00	mg/kg	50.00	6.02	93.7	75-125	0.582	30	

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Long Beach, CA 90806

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Project: HMC - Redland / P.O. # 71CAL

Quality Control Data

Analyte		Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD30509 - EPA 3050B											
Selenium		43.2	2.00	mg/kg	50.00	ND	86.3	75-125	0.328	30	
Silver		4.33	1.00	mg/kg	4.970	ND	87.1	75-125	0.799	30	
Thallium		42.7	2.00	mg/kg	50.00	ND	85.5	75-125	1.07	30	
Vanadium		73.2	1.00	mg/kg	50.00	29.7	87.0	75-125	4.91	30	
Zinc		74.0	5.00	mg/kg	50.00	31.1	85.8	75-125	2.86	30	
Batch BD30425 - EPA 7471A											
Blank		**Prepared & Analyzed: 04/04/23**									
Mercury		ND	0.100	mg/kg							
LCS		**Prepared & Analyzed: 04/04/23**									
Mercury		0.828	0.100	mg/kg	0.8258		100	80-120			
Matrix Spike	**Source: 2304008-01**	**Prepared & Analyzed: 04/04/23**									
Mercury		0.820	0.100	mg/kg	0.8258	ND	99.3	75-125			
Matrix Spike Dup	**Source: 2304008-01**	**Prepared & Analyzed: 04/04/23**									
Mercury		0.883	0.100	mg/kg	0.8258	ND	107	75-125	7.43	25	

Notes and Definitions

V-2	Out-of-Range recovery was due to sample Heterogeneity.
M	Matrix interference suspected.
J	Detected but below the Practical Quantitation Limit; therefore, result is an estimated concentration (CLP J-Flag).
NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)

123804

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: 4/3/23 PAGE 1 OF 2

AIRBILL NO:

LOG BOOK NO. FILE NO. LAB NO. 1224088

CLIENT NAME: Orion Environmental Project Name/No. HMC - Redlands P.O. NO. 71CAL

ADDRESS: 2955 Redonda Avenue, Long Beach, CA 90806

PROJECT MANAGER: Karla Rivera PHONE NO: +1(562)-787-0736 FAX NO:

SAMPLER NAME: Kevin Diller (Printed) (Signature) Kevin Diller

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

OBSERV. TEMP: 0.9
CORREC. TEMP: 1.1
THERMO ID: 16

PRESERVATIVE:

REMARKS:
H: 4/3/23@7:04pm
Place 5' on Hold per Kevin Diller

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	VOC's EPA 8260B	TPH EPA 8015	Metals EPA 6010B/7471A						SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	SV-2-2.5	4/3/23	10:00			X			5	6	6V	X	X	X						
2	SV-2-5	"	"			"			"	"	"	"	"	"	H					
3	SV-3-2.5	"	9:30			"			"	"	"	"	"	"						
4	SV-3-5	"	"			"			"	"	"	"	"	"	H					
5	SV-4-2.5	"	9:00			"			"	"	"	"	"	"						
6	SV-4-5	"	"			"			"	"	"	"	"	"	H					
7	SV-9-2.5	"	7:30			"			"	"	"	"	"	"						
8	SV-9-5	"	"			"			"	"	"	"	"	"	H					
9	SV-10-2.5	"	8:10			"			"	"	"	"	"	"						
10	SV-10-5	X	"			X			X	X	X	X	X	X	H					

Relinquished By: (Signature and Printed Name) Kevin Diller Kevin Diller Received By: (Signature and Printed Name) Lynn Klimow Lynn Klimow Date: 04/04/23 Time: 11:15

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

Relinquished By: (Signature and Printed Name) Received By: (Signature and Printed Name) Date: Time:

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:

1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

120353

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CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: 4/3/23 PAGE 2 OF 2

AIRBILL NO:

LOG BOOK NO. FILE NO. LAB NO. 1304108

CLIENT NAME: Orion Environmental Project Name/No. HMC - Redlands P.O. NO.

ADDRESS: 2955 Redondo Avenue, Long Beach CA 90806

PROJECT MANAGER: Karla Rivera PHONE NO: +1(562)-787-0836 FAX NO:

SAMPLER NAME: Kevin Diller (Printed) (Signature) Kevin Diller

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, P = Plastic, V = VOA Vial, O = Other:

UST Project: Y N - Global ID# ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

ANALYSES REQUESTED: 71-CAL

OBSERV. TEMP: 0.4
CORREC. TEMP: 1.4
THERMO ID: 66

PRESERVATIVE:

REMARKS: #1 see pg 1 of 2

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	SOIL	SLUDGE	OTHER	TAT	CONTAINER: #	TYPE	VOC	TPH	Metals						SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	SV-11-2.5	4/3/23	8:50			X			5	6	6/V	X	X	X						
2	SV-11-5	"	X			"			"	"	"	"	"	"	#					
3	SV-13-2.5	"	8:55			"			"	"	"	"	"	"						
4	SV-13-5	X	X			X			X	X	X	X	X	X	#					
5																				
6																				
7																				
8																				
9																				
10																				

	Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
1	Kevin Diller Kevin Diller	Ayin Kimura Ayin Kimura	04/03/23	1615
2				
3				

SPECIAL INSTRUCTIONS:

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: _____ days

By _____ Date _____

PRESERVATIVE: 1-HNO_3, 2-H_2SO_4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH_4 Buffer, 7-Other

LAB COPY

POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Orion Environmental, Inc.
2955 Redondo Beach Ave.
Long Beach, CA 90806

File #:73287
Report Date: 05/12/23
Submitted: 04/03/23
PLS Report No.: 2304009

Attn: Karla Rivera Phone: (562) 988-2755 FAX:(562) 988-2759
Project: HMC - Redland / P.O. # 71CAL

Sample ID: SV-2 Soil (2304009-01) Sampled:04/03/23 10:00 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SV-3 Soil (2304009-02) Sampled:04/03/23 09:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SV-4 Soil (2304009-03) Sampled:04/03/23 09:00 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SV-9 Soil (2304009-04) Sampled:04/03/23 07:30 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SV-10 Soil (2304009-05) Sampled:04/03/23 08:10 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Sample ID: SV-11 Soil (2304009-06) Sampled:04/03/23 08:50 Received: 04/03/23

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
EPA 537M PFAS	See Attachment									

Notes and Definitions

NA	Not Applicable
ND	Analyte NOT DETECTED at or above the reported limit(s)
NR	Not Reported
MDL	Method Detection Limit
PQL	Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Rick Owen Parker

Authorized Signature(s)

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 3D20110

Project: 2304009

Attn: Jeannette Gutierrez

Client: Positive Lab Service
781 East Washington Blvd.
Los Angeles, CA 90021

Report Date: 5/11/2023
Received Date: 4/4/2023
Turnaround Time: 5 workdays
Phones: (213) 745-5312
Fax: (213) 745-6372
P.O. #: 17726
Billing Code:

Dear Jeannette Gutierrez,

Enclosed are the results of analyses for samples received 4/04/23 with the Chain-of-Custody document. The samples were received in good condition, at 4.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: SV-2
3D20110-01 (Solid)
Sampled: 04/03/23 10:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-2

3D20110-01 (Solid)

Sampled: 04/03/23 10:00 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	ND		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-3

Sampled: 04/03/23 9:30 by Client

3D20110-02 (Solid)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	**5.7**		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-3

Sampled: 04/03/23 9:30 by Client

3D20110-02 (Solid)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-4

3D20110-03 (Solid)

Sampled: 04/03/23 9:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	ND		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-4 — Sampled: 04/03/23 9:00 by Client

3D20110-03 (Solid) (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-9

3D20110-04 (Solid)

Sampled: 04/03/23 7:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49			**Analyst:** jna	
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	ND		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-9

Sampled: 04/03/23 7:30 by Client

(Continued)

3D20110-04 (Solid)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-10

3D20110-05 (Solid)

Sampled: 04/03/23 8:10 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	I-05
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	ND		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-10

3D20110-05 (Solid)

Sampled: 04/03/23 8:10 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-11

3D20110-06 (Solid)

Sampled: 04/03/23 8:50 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49			**Analyst:** jna	
10:2 FTS	ND		4.0	ug/kg	1	05/05/23	
11Cl-PF3OUdS	ND		2.5	ug/kg	1	05/05/23	
3:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
4:2 FTS	ND		2.5	ug/kg	1	05/05/23	
5:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
6:2 FTS	ND		2.5	ug/kg	1	05/05/23	
7:3 FTCA	ND		2.5	ug/kg	1	05/05/23	
8:2 FTS	ND		4.0	ug/kg	1	05/05/23	
9Cl-PF3ONS	ND		2.5	ug/kg	1	05/05/23	
ADONA	ND		2.5	ug/kg	1	05/05/23	
EtFOSA	ND		2.5	ug/kg	1	05/05/23	
EtFOSAA	ND		2.5	ug/kg	1	05/05/23	
EtFOSE	ND		2.5	ug/kg	1	05/05/23	
FOSA	ND		2.5	ug/kg	1	05/05/23	
HFPO-DA	ND		2.5	ug/kg	1	05/05/23	
MeFOSA	ND		2.5	ug/kg	1	05/05/23	
MeFOSAA	ND		2.5	ug/kg	1	05/05/23	
MeFOSE	ND		2.5	ug/kg	1	05/05/23	
NFDHA	ND		4.0	ug/kg	1	05/05/23	
Perfluorooctanoic acid (PFOA)	ND		2.5	ug/kg	1	05/05/23	
PFBA	ND		2.5	ug/kg	1	05/05/23	
PFBS	ND		2.5	ug/kg	1	05/05/23	
PFDA	ND		2.5	ug/kg	1	05/05/23	
PFDoA	ND		2.5	ug/kg	1	05/05/23	
PFDS	ND		2.5	ug/kg	1	05/05/23	
PFEESA	ND		2.5	ug/kg	1	05/05/23	
PFHpA	ND		2.5	ug/kg	1	05/05/23	
PFHpS	ND		2.5	ug/kg	1	05/05/23	
PFHxA	ND		2.5	ug/kg	1	05/05/23	
PFHxDA	ND		2.5	ug/kg	1	05/05/23	
PFHxS	ND		2.5	ug/kg	1	05/05/23	
PFMBA	ND		2.5	ug/kg	1	05/05/23	
PFMPA	ND		4.0	ug/kg	1	05/05/23	
PFNA	ND		2.5	ug/kg	1	05/05/23	
PFNS	ND		2.5	ug/kg	1	05/05/23	
PFODA	ND		2.5	ug/kg	1	05/05/23	Q-ME
PFOS	ND		2.5	ug/kg	1	05/05/23	
PFPeA	ND		2.5	ug/kg	1	05/05/23	
PFPeS	ND		2.5	ug/kg	1	05/05/23	
PFTeDA	ND		2.5	ug/kg	1	05/05/23	

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Sample Results

(Continued)

Sample: SV-11

3D20110-06 (Solid)

Sampled: 04/03/23 8:50 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 537M			**Instr:** LCMS06				
Batch ID: W3D2107 **Preparation:** EPA 537M			**Prepared:** 04/24/23 13:49				**Analyst:** jna
PFTrDA	ND		2.5	ug/kg	1	05/05/23	
PFUnA	ND		2.5	ug/kg	1	05/05/23	

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Quality Control Results

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3D2107 - EPA 537M										
Blank (W3D2107-BLK1)				**Prepared: 04/24/23 Analyzed: 05/05/23**						
10:2 FTS	ND	4.0	ug/kg							
11Cl-PF3OUdS	ND	2.5	ug/kg							
3:3 FTCA	ND	2.5	ug/kg							
4:2 FTS	ND	2.5	ug/kg							
5:3 FTCA	ND	2.5	ug/kg							
6:2 FTS	ND	2.5	ug/kg							
7:3 FTCA	ND	2.5	ug/kg							
8:2 FTS	ND	4.0	ug/kg							
9Cl-PF3ONS	ND	2.5	ug/kg							
ADONA	ND	2.5	ug/kg							
EtFOSA	ND	2.5	ug/kg							
EtFOSAA	ND	2.5	ug/kg							
EtFOSE	ND	2.5	ug/kg							
FOSA	ND	2.5	ug/kg							
HFPO-DA	ND	2.5	ug/kg							
MeFOSA	ND	2.5	ug/kg							
MeFOSAA	ND	2.5	ug/kg							
MeFOSE	ND	2.5	ug/kg							
NFDHA	ND	4.0	ug/kg							
Perfluorooctanoic acid (PFOA)	ND	2.5	ug/kg							
PFBA	ND	2.5	ug/kg							
PFBS	ND	2.5	ug/kg							
PFDA	ND	2.5	ug/kg							
PFDoA	ND	2.5	ug/kg							
PFDS	ND	2.5	ug/kg							
PFEESA	ND	2.5	ug/kg							
PFHpA	ND	2.5	ug/kg							
PFHpS	ND	2.5	ug/kg							
PFHxA	ND	2.5	ug/kg							
PFHxDA	ND	2.5	ug/kg							
PFHxS	ND	2.5	ug/kg							
PFMBA	ND	2.5	ug/kg							
PFMPA	ND	4.0	ug/kg							
PFNA	ND	2.5	ug/kg							
PFNS	ND	2.5	ug/kg							
PFODA	ND	2.5	ug/kg							
PFOS	ND	2.5	ug/kg							
PFPeA	ND	2.5	ug/kg							
PFPeS	ND	2.5	ug/kg							
PFTeDA	ND	2.5	ug/kg							
PFTrDA	ND	2.5	ug/kg							
PFUnA	ND	2.5	ug/kg							

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Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3D2107 - EPA 537M (Continued)										
LCS (W3D2107-BS1)				**Prepared: 04/24/23 Analyzed: 05/05/23**						
10:2 FTS	2.78	4.0	ug/kg	2.50		111	70-130			
11Cl-PF3OUdS	2.68	2.5	ug/kg	2.50		107	70-130			
3:3 FTCA	2.45	2.5	ug/kg	2.50		98	70-130			
4:2 FTS	2.40	2.5	ug/kg	2.50		96	62-145			
5:3 FTCA	2.20	2.5	ug/kg	2.50		88	70-130			
6:2 FTS	2.31	2.5	ug/kg	2.50		92	64-140			
7:3 FTCA	2.66	2.5	ug/kg	2.50		106	70-130			
8:2 FTS	2.79	4.0	ug/kg	2.50		112	65-137			
9Cl-PF3ONS	2.36	2.5	ug/kg	2.50		94	70-130			
ADONA	2.44	2.5	ug/kg	2.50		98	70-130			
EtFOSA	2.02	2.5	ug/kg	2.50		81	70-130			
EtFOSAA	2.96	2.5	ug/kg	2.50		118	61-139			
EtFOSE	2.08	2.5	ug/kg	2.50		83	70-130			
FOSA	2.69	2.5	ug/kg	2.50		108	67-137			
HFPO-DA	2.32	2.5	ug/kg	2.50		93	70-130			
MeFOSA	2.31	2.5	ug/kg	2.50		92	70-130			
MeFOSAA	2.37	2.5	ug/kg	2.50		95	63-144			
MeFOSE	2.72	2.5	ug/kg	2.50		109	70-130			
NFDHA	2.38	4.0	ug/kg	2.50		95	70-130			
Perfluorooctanoic acid (PFOA)	2.57	2.5	ug/kg	2.50		103	69-133			
PFBA	2.82	2.5	ug/kg	2.50		113	40-150			
PFBS	2.32	2.5	ug/kg	2.50		93	72-128			
PFDA	2.53	2.5	ug/kg	2.50		101	69-133			
PFDoA	3.00	2.5	ug/kg	2.50		120	69-135			
PFDS	2.03	2.5	ug/kg	2.50		81	59-134			
PFEESA	2.55	2.5	ug/kg	2.50		102	70-130			
PFHpA	2.52	2.5	ug/kg	2.50		101	71-131			
PFHpS	2.56	2.5	ug/kg	2.50		103	70-132			
PFHxA	2.50	2.5	ug/kg	2.50		100	70-132			
PFHxDA	2.70	2.5	ug/kg	2.50		108	70-130			
PFHxS	2.53	2.5	ug/kg	2.50		101	67-130			
PFMBA	2.12	2.5	ug/kg	2.50		85	70-130			
PFMPA	2.33	4.0	ug/kg	2.50		93	70-130			
PFNA	2.54	2.5	ug/kg	2.50		102	72-129			
PFNS	2.30	2.5	ug/kg	2.50		92	69-125			
PFODA	1.69	2.5	ug/kg	2.50		68	70-130			Q-ME
PFOS	2.93	2.5	ug/kg	2.50		117	68-136			
PFPeA	2.45	2.5	ug/kg	2.50		98	69-132			
PFPeS	2.36	2.5	ug/kg	2.50		94	73-123			
PFTeDA	2.63	2.5	ug/kg	2.50		105	69-133			
PFTrDA	2.15	2.5	ug/kg	2.50		86	66-139			
PFUnA	2.07	2.5	ug/kg	2.50		83	64-136			

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Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3D2107 - EPA 537M (Continued)										
Matrix Spike (W3D2107-MS1)	**Source: 3D20110-01**			**Prepared: 04/24/23 Analyzed: 05/05/23**						
10:2 FTS	3.42	4.0	ug/kg	2.56	ND	133	70-130			MS-01
11Cl-PF3OUdS	2.76	2.5	ug/kg	2.56	ND	107	70-130			
3:3 FTCA	2.26	2.5	ug/kg	2.56	ND	88	70-130			
4:2 FTS	2.89	2.5	ug/kg	2.56	ND	113	62-145			
5:3 FTCA	2.31	2.5	ug/kg	2.56	ND	90	70-130			
6:2 FTS	2.27	2.5	ug/kg	2.56	ND	89	64-140			
7:3 FTCA	2.88	2.5	ug/kg	2.56	ND	112	70-130			
8:2 FTS	3.16	4.0	ug/kg	2.56	ND	123	65-137			
9Cl-PF3ONS	2.66	2.5	ug/kg	2.56	ND	104	70-130			
ADONA	2.62	2.5	ug/kg	2.56	ND	102	70-130			
EtFOSA	2.00	2.5	ug/kg	2.56	ND	78	70-130			
EtFOSAA	3.22	2.5	ug/kg	2.56	ND	126	61-139			
EtFOSE	2.61	2.5	ug/kg	2.56	ND	102	70-130			
FOSA	3.01	2.5	ug/kg	2.56	ND	117	67-137			
HFPO-DA	2.14	2.5	ug/kg	2.56	ND	83	70-130			
MeFOSA	2.64	2.5	ug/kg	2.56	ND	103	70-130			
MeFOSAA	2.67	2.5	ug/kg	2.56	ND	104	63-144			
MeFOSE	2.99	2.5	ug/kg	2.56	ND	117	70-130			
NFDHA	2.78	4.0	ug/kg	2.56	ND	108	70-130			
Perfluorooctanoic acid (PFOA)	2.86	2.5	ug/kg	2.56	ND	111	69-133			
PFBA	2.95	2.5	ug/kg	2.56	ND	115	71-135			
PFBS	2.44	2.5	ug/kg	2.56	ND	95	72-128			
PFDA	2.81	2.5	ug/kg	2.56	ND	110	69-133			
PFDoA	2.88	2.5	ug/kg	2.56	ND	112	69-135			
PFDS	2.01	2.5	ug/kg	2.56	ND	78	59-134			
PFEESA	2.65	2.5	ug/kg	2.56	ND	103	70-130			
PFHpA	2.78	2.5	ug/kg	2.56	ND	108	71-131			
PFHpS	2.51	2.5	ug/kg	2.56	ND	98	70-132			
PFHxA	2.69	2.5	ug/kg	2.56	ND	105	70-132			
PFHxDA	2.65	2.5	ug/kg	2.56	ND	103	70-130			
PFHxS	2.70	2.5	ug/kg	2.56	ND	105	67-130			
PFMBA	2.34	2.5	ug/kg	2.56	ND	91	70-130			
PFMPA	2.41	4.0	ug/kg	2.56	ND	94	70-130			
PFNA	2.83	2.5	ug/kg	2.56	ND	110	72-129			
PFNS	2.73	2.5	ug/kg	2.56	ND	106	69-125			
PFODA	1.88	2.5	ug/kg	2.56	ND	73	70-130			
PFOS	4.05	2.5	ug/kg	2.56	0.992	119	68-136			
PFPeA	2.61	2.5	ug/kg	2.56	ND	102	69-132			
PFPeS	2.48	2.5	ug/kg	2.56	ND	97	73-123			
PFTeDA	2.92	2.5	ug/kg	2.56	ND	114	69-133			
PFTrDA	2.17	2.5	ug/kg	2.56	ND	84	66-139			
PFUnA	2.13	2.5	ug/kg	2.56	ND	83	64-136			

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Quality Control Results

(Continued)

Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W3D2107 - EPA 537M (Continued)										
Matrix Spike Dup (W3D2107-MSD1)	**Source: 3D20110-01**			**Prepared: 04/24/23 Analyzed: 05/05/23**						
10:2 FTS	2.84	4.0	ug/kg	2.48	ND	115	70-130	18	30	
11Cl-PF3OUdS	2.90	2.5	ug/kg	2.48	ND	117	70-130	5	30	
3:3 FTCA	2.35	2.5	ug/kg	2.48	ND	95	70-130	4	30	
4:2 FTS	2.55	2.5	ug/kg	2.48	ND	103	62-145	12	30	
5:3 FTCA	2.36	2.5	ug/kg	2.48	ND	95	70-130	2	30	
6:2 FTS	2.14	2.5	ug/kg	2.48	ND	86	64-140	6	30	
7:3 FTCA	2.69	2.5	ug/kg	2.48	ND	109	70-130	7	30	
8:2 FTS	2.43	4.0	ug/kg	2.48	ND	98	65-137	26	30	
9Cl-PF3ONS	2.53	2.5	ug/kg	2.48	ND	102	70-130	5	30	
ADONA	2.49	2.5	ug/kg	2.48	ND	100	70-130	5	30	
EtFOSA	2.22	2.5	ug/kg	2.48	ND	90	70-130	11	30	
EtFOSAA	2.79	2.5	ug/kg	2.48	ND	113	61-139	14	30	
EtFOSE	2.35	2.5	ug/kg	2.48	ND	95	70-130	10	30	
FOSA	2.69	2.5	ug/kg	2.48	ND	109	67-137	11	30	
HFPO-DA	2.39	2.5	ug/kg	2.48	ND	97	70-130	11	30	
MeFOSA	2.34	2.5	ug/kg	2.48	ND	95	70-130	12	30	
MeFOSAA	2.56	2.5	ug/kg	2.48	ND	104	63-144	4	30	
MeFOSE	2.27	2.5	ug/kg	2.48	ND	92	70-130	27	30	
NFDHA	2.72	4.0	ug/kg	2.48	ND	110	70-130	2	30	
Perfluorooctanoic acid (PFOA)	2.69	2.5	ug/kg	2.48	ND	109	69-133	6	30	
PFBA	2.69	2.5	ug/kg	2.48	ND	109	71-135	9	30	
PFBS	2.40	2.5	ug/kg	2.48	ND	97	72-128	2	30	
PFDA	2.64	2.5	ug/kg	2.48	ND	107	69-133	6	30	
PFDoA	3.01	2.5	ug/kg	2.48	ND	122	69-135	5	30	
PFDS	1.98	2.5	ug/kg	2.48	ND	80	59-134	2	30	
PFEESA	2.50	2.5	ug/kg	2.48	ND	101	70-130	6	30	
PFHpA	2.60	2.5	ug/kg	2.48	ND	105	71-131	7	30	
PFHpS	2.48	2.5	ug/kg	2.48	ND	100	70-132	1	30	
PFHxA	2.63	2.5	ug/kg	2.48	ND	106	70-132	2	30	
PFHxDA	2.59	2.5	ug/kg	2.48	ND	104	70-130	2	30	
PFHxS	2.71	2.5	ug/kg	2.48	ND	109	67-130	0.4	30	
PFMBA	2.15	2.5	ug/kg	2.48	ND	87	70-130	9	30	
PFMPA	2.28	4.0	ug/kg	2.48	ND	92	70-130	5	30	
PFNA	2.50	2.5	ug/kg	2.48	ND	101	72-129	13	30	
PFNS	2.50	2.5	ug/kg	2.48	ND	101	69-125	9	30	
PFODA	1.86	2.5	ug/kg	2.48	ND	75	70-130	1	30	
PFOS	3.84	2.5	ug/kg	2.48	0.992	115	68-136	5	30	
PFPeA	2.54	2.5	ug/kg	2.48	ND	103	69-132	3	30	
PFPeS	2.32	2.5	ug/kg	2.48	ND	94	73-123	7	30	
PFTeDA	2.87	2.5	ug/kg	2.48	ND	116	69-133	2	30	
PFTrDA	2.10	2.5	ug/kg	2.48	ND	85	66-139	3	30	
PFUnA	2.14	2.5	ug/kg	2.48	ND	86	64-136	0.4	30	

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Notes and Definitions

Item	Definition
I-05	Low internal standard recovery possibly due to matrix interference. The result is suspect.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-ME	Acceptable QC with marginal exceedance
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Reviewed by:

Rahul R. Nair
Project Manager

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • ISO17025 ANAB #L2457.01 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

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POSITIVE LAB SERVICE

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(213) 745-5312 FAX (213) 745-6372

CHAIN OF CUSTODY AND ANALYSIS REQUEST

DATE: 4/3/23 PAGE 1 OF 1

AIRBILL NO: ______

LOG BOOK NO. ______ FILE NO. ______ LAB NO. 2304009

CLIENT NAME: Orion Environmental Project Name/No. HMC-Redlands P.O. NO. 71CAL

OBSERV. TEMP: 0.9
CORREC. TEMP: 1.1
THERMO ID: 66

ADDRESS: 2955 Redondo Avenue, Long Beach, CA 90806

PROJECT MANAGER: Karla Rivera PHONE NO: +1(562)-787-0736 FAX NO:

SAMPLER NAME: Kevin Diller (Printed) (Signature) Kevin Diller

TAT (Analytical Turn Around Time): 0 = Same Day; 1 = 1 Day; 2 = 2 Days; 3 = 3 Days; N = Normal (5-7 Working Days)

CONTAINER TYPES: B = Brass, E = Encore, G = Glass, (P) = Plastic, V = VOA Vial, 0 = Other:

UST Project: Y N - Global ID# ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

ANALYSES REQUESTED: PFAS-EPA537M

PRESERVATIVE:

REMARKS: -4/4/23 @ 743AM checked off for PFAS per Kevin Diller.

	SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	SAMPLE DESCRIPTION	MATRIX: WATER	MATRIX: SOIL	MATRIX: SLUDGE	MATRIX: OTHER	TAT	CONTAINER #	CONTAINER TYPE	PFAS-EPA537M							SAMPLE CONDITION/ CONTAINER /COMMENTS:
1	SV-2	4/3/23	10:00			X			5	1	P	/							SAMPLE FROM CENTER
2	SV-3		9:30									/							
3	SV-4		9:00									/							
4	SV-9		7:30									/							
5	SV-10		8:10									/							
6	SV-11	X	8:50			X			X	X	X	/							X
7																			
8																			
9																			
10																			

Relinquished By: (Signature and Printed Name)	Received By: (Signature and Printed Name)	Date:	Time:
Kevin Diller - Kevin Diller	Lynn Klimavitch [signature]	04/03/23	1018

SPECIAL INSTRUCTIONS: Sample from center

SAMPLE DISPOSITION:
1. Samples returned to client? YES NO
2. Samples will not be stored over 30 days, unless additional storage time is requested.
3. Storage time requested: ______ days

By ______ Date ______

PRESERVATIVE: 1-HNO3, 2-H2SO4, 3-HCL, 4-Zinc Acetate, 5-NaOH, 6-NH4 Buffer, 7-Other

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01 May 2023

Karla Rivera
Hazard Management Consulting
211 Avenida Cordoba
San Clemente, CA 92672

Re: 71CAL

Enclosed are the results of analyses for samples received by the laboratory on 04/26/23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-12-5	J231073-001	Soil Gas	04/26/2023 08:27	04/26/2023 04:23
SV-12-5 REP	J231073-002	Soil Gas	04/26/2023 08:31	04/26/2023 04:23
SV-13-5	J231073-003	Soil Gas	04/26/2023 08:59	04/26/2023 04:23
SV-10-5	J231073-004	Soil Gas	04/26/2023 09:09	04/26/2023 04:23
SV-11-5	J231073-005	Soil Gas	04/26/2023 09:34	04/26/2023 04:23
SV-16-5	J231073-006	Soil Gas	04/26/2023 10:21	04/26/2023 04:23
SV-15-5	J231073-007	Soil Gas	04/26/2023 10:01	04/26/2023 04:23
SV-14-5	J231073-008	Soil Gas	04/26/2023 10:32	04/26/2023 04:23
SV-9-5	J231073-009	Soil Gas	04/26/2023 10:51	04/26/2023 04:23
SV-8-5	J231073-010	Soil Gas	04/26/2023 11:23	04/26/2023 04:23
SV-6-5	J231073-011	Soil Gas	04/26/2023 11:37	04/26/2023 04:23
SV-1-5	J231073-012	Soil Gas	04/26/2023 11:54	04/26/2023 04:23
SV-2-5	J231073-013	Soil Gas	04/26/2023 12:12	04/26/2023 04:23
SV-3-5	J231073-014	Soil Gas	04/26/2023 12:31	04/26/2023 04:23
SV-4-5	J231073-015	Soil Gas	04/26/2023 12:51	04/26/2023 04:23
SV-7-5	J231073-016	Soil Gas	04/26/2023 13:03	04/26/2023 04:23

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Colby Wakeman
Lab Director

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-12-5 **Laboratory ID:** J231073-001

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	13	8	µg/m3	EPA 8260	
Styrene	27	8	µg/m3	EPA 8260	
Toluene	19	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	19	8	µg/m3	EPA 8260	
m,p-Xylene	57	16	µg/m3	EPA 8260	
o-Xylene	24	8	µg/m3	EPA 8260	

Sample ID: SV-12-5 REP **Laboratory ID:** J231073-002

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	13	8	µg/m3	EPA 8260	
Styrene	26	8	µg/m3	EPA 8260	
Tetrachloroethene	11	8	µg/m3	EPA 8260	
Toluene	28	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	23	8	µg/m3	EPA 8260	
m,p-Xylene	58	16	µg/m3	EPA 8260	
o-Xylene	29	8	µg/m3	EPA 8260	

Sample ID: SV-13-5 **Laboratory ID:** J231073-003

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	8	8	µg/m3	EPA 8260	
Styrene	14	8	µg/m3	EPA 8260	
Tetrachloroethene	9	8	µg/m3	EPA 8260	
Toluene	10	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	9	8	µg/m3	EPA 8260	
m,p-Xylene	40	16	µg/m3	EPA 8260	
o-Xylene	16	8	µg/m3	EPA 8260	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-10-5 **Laboratory ID:** J231073-004

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	19	8	µg/m3	EPA 8260	
Styrene	30	8	µg/m3	EPA 8260	
Tetrachloroethene	18	8	µg/m3	EPA 8260	
Toluene	35	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	20	8	µg/m3	EPA 8260	
m,p-Xylene	74	16	µg/m3	EPA 8260	
o-Xylene	36	8	µg/m3	EPA 8260	

Sample ID: SV-11-5 **Laboratory ID:** J231073-005

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	17	8	µg/m3	EPA 8260	
Ethylbenzene	15	8	µg/m3	EPA 8260	
Styrene	26	8	µg/m3	EPA 8260	
Tetrachloroethene	18	8	µg/m3	EPA 8260	
Toluene	18	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	22	8	µg/m3	EPA 8260	
m,p-Xylene	61	16	µg/m3	EPA 8260	
o-Xylene	30	8	µg/m3	EPA 8260	

Sample ID: SV-16-5 **Laboratory ID:** J231073-006

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	14	8	µg/m3	EPA 8260	
m,p-Xylene	20	16	µg/m3	EPA 8260	
o-Xylene	11	8	µg/m3	EPA 8260	

Sample ID: SV-15-5 **Laboratory ID:** J231073-007

Analyte	Result	Reporting Limit	Units	Method	Notes

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-15-5 **Laboratory ID:** J231073-007

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	11	8	µg/m3	EPA 8260	
Styrene	17	8	µg/m3	EPA 8260	
Tetrachloroethene	9	8	µg/m3	EPA 8260	
Toluene	16	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	10	8	µg/m3	EPA 8260	
m,p-Xylene	40	16	µg/m3	EPA 8260	
o-Xylene	19	8	µg/m3	EPA 8260	

Sample ID: SV-14-5 **Laboratory ID:** J231073-008

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	35	8	µg/m3	EPA 8260	
Tetrachloroethene	12	8	µg/m3	EPA 8260	
Toluene	83	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	15	8	µg/m3	EPA 8260	
m,p-Xylene	134	16	µg/m3	EPA 8260	
o-Xylene	51	8	µg/m3	EPA 8260	

Sample ID: SV-9-5 **Laboratory ID:** J231073-009

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	11	8	µg/m3	EPA 8260	
Styrene	12	8	µg/m3	EPA 8260	
Tetrachloroethene	10	8	µg/m3	EPA 8260	
Toluene	20	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	9	8	µg/m3	EPA 8260	
m,p-Xylene	41	16	µg/m3	EPA 8260	
o-Xylene	16	8	µg/m3	EPA 8260	

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Colby Wakeman
Lab Director

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-8-5 **Laboratory ID:** J231073-010

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	10	8	µg/m3	EPA 8260	
Styrene	20	8	µg/m3	EPA 8260	
Toluene	17	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	14	8	µg/m3	EPA 8260	
m,p-Xylene	51	16	µg/m3	EPA 8260	
o-Xylene	21	8	µg/m3	EPA 8260	

Sample ID: SV-6-5 **Laboratory ID:** J231073-011

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	206	8	µg/m3	EPA 8260	
Tetrachloroethene	10	8	µg/m3	EPA 8260	
Toluene	12	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	9	8	µg/m3	EPA 8260	

Sample ID: SV-1-5 **Laboratory ID:** J231073-012

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	32	8	µg/m3	EPA 8260	
n-Propylbenzene	10	8	µg/m3	EPA 8260	
Styrene	23	8	µg/m3	EPA 8260	
Tetrachloroethene	12	8	µg/m3	EPA 8260	
Toluene	58	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	46	8	µg/m3	EPA 8260	
1,3,5-Trimethylbenzene	16	8	µg/m3	EPA 8260	
m,p-Xylene	143	16	µg/m3	EPA 8260	
o-Xylene	46	8	µg/m3	EPA 8260	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-2-5 **Laboratory ID:** J231073-013

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	8	8	µg/m3	EPA 8260	
Ethylbenzene	11	8	µg/m3	EPA 8260	
Styrene	15	8	µg/m3	EPA 8260	
Tetrachloroethene	10	8	µg/m3	EPA 8260	
Toluene	27	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	16	8	µg/m3	EPA 8260	
m,p-Xylene	53	16	µg/m3	EPA 8260	
o-Xylene	15	8	µg/m3	EPA 8260	

Sample ID: SV-3-5 **Laboratory ID:** J231073-014

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	15	8	µg/m3	EPA 8260	
Styrene	16	8	µg/m3	EPA 8260	
Tetrachloroethene	12	8	µg/m3	EPA 8260	
Toluene	21	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	12	8	µg/m3	EPA 8260	
m,p-Xylene	50	16	µg/m3	EPA 8260	
o-Xylene	20	8	µg/m3	EPA 8260	

Sample ID: SV-4-5 **Laboratory ID:** J231073-015

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	124	8	µg/m3	EPA 8260	
Toluene	11	8	µg/m3	EPA 8260	

Sample ID: SV-7-5 **Laboratory ID:** J231073-016

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	12	8	µg/m3	EPA 8260	

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

DETECTIONS SUMMARY

Sample ID: SV-7-5 **Laboratory ID:** J231073-016

Analyte	Result	Reporting Limit	Units	Method	Notes
Styrene	23	8	µg/m3	EPA 8260	
Tetrachloroethene	10	8	µg/m3	EPA 8260	
Toluene	22	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	26	8	µg/m3	EPA 8260	
m,p-Xylene	67	16	µg/m3	EPA 8260	
o-Xylene	33	8	µg/m3	EPA 8260	

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-12-5
J231073-001(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	13	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	27	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	ND	8	µg/m3	"	"		"	"	
Toluene	19	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	19	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-12-5
J231073-001(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	57	16	µg/m3	"	"		"	"	
o-Xylene	24	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*95.05 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*112.78 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*86.67 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-12-5 REP
J231073-002(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	13	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	26	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	11	8	µg/m3	"	"		"	"	
Toluene	28	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	23	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-12-5 REP
J231073-002(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	58	16	µg/m3	"	"		"	"	
o-Xylene	29	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*94.67 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*112.69 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.15 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-13-5
J231073-003(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	8	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	14	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	9	8	µg/m3	"	"		"	"	
Toluene	10	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	9	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-13-5
J231073-003(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	40	16	µg/m3	"	"		"	"	
o-Xylene	16	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*96.06 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*112.99 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*87.38 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-10-5
J231073-004(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	19	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	30	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	18	8	µg/m3	"	"		"	"	
Toluene	35	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	20	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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SANTA FE SPRINGS, CA 90670
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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-10-5
J231073-004(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	74	16	µg/m3	"	"		"	"	
o-Xylene	36	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*92.71 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*108.60 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.79 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-11-5
J231073-005(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	17	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	15	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	26	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	18	8	µg/m3	"	"		"	"	
Toluene	18	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	22	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-11-5
J231073-005(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	61	16	µg/m3	"	"		"	"	
o-Xylene	30	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.96 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*110.34 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*86.19 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-16-5
J231073-006(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	ND	8	µg/m3	"	"		"	"	
Toluene	14	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-16-5
J231073-006(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	20	16	µg/m3	"	"		"	"	
o-Xylene	11	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.38 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*112.72 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*84.66 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-15-5
J231073-007(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	11	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	17	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	9	8	µg/m3	"	"		"	"	
Toluene	16	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	10	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-15-5
J231073-007(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	40	16	µg/m3	"	"		"	"	
o-Xylene	19	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.24 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*115.70 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.56 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-14-5
J231073-008(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	35	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	12	8	µg/m3	"	"		"	"	
Toluene	83	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	15	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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SANTA FE SPRINGS, CA 90670
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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-14-5
J231073-008(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	134	16	µg/m3	"	"		"	"	
o-Xylene	51	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*94.76 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*114.12 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*87.02 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-9-5
J231073-009(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	11	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	12	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	10	8	µg/m3	"	"		"	"	
Toluene	20	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	9	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-9-5
J231073-009(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	41	16	µg/m3	"	"		"	"	
o-Xylene	16	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*94.31 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*109.75 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*86.56 %*	*60 - 140*							

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-8-5
J231073-010(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	10	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	20	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	ND	8	µg/m3	"	"		"	"	
Toluene	17	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	14	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-8-5
J231073-010(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	51	16	µg/m3	"	"		"	"	
o-Xylene	21	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.39 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*110.77 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*86.69 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-6-5
J231073-011(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	206	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	10	8	µg/m3	"	"		"	"	
Toluene	12	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	9	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-6-5
J231073-011(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"		"	"	
o-Xylene	ND	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.56 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*114.82 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.78 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-1-5
J231073-012(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	32	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	10	8	µg/m3	"	"		"	"	
Styrene	23	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	12	8	µg/m3	"	"		"	"	
Toluene	58	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	46	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	16	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-1-5
J231073-012(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	143	16	µg/m3	"	"		"	"	
o-Xylene	46	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*95.32 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*105.68 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.80 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-2-5
J231073-013(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	8	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	11	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	15	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	10	8	µg/m3	"	"		"	"	
Toluene	27	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	16	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-2-5
J231073-013(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	53	16	µg/m3	"	"		"	"	
o-Xylene	15	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.98 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*109.74 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*84.77 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-3-5
J231073-014(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	15	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	16	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	12	8	µg/m3	"	"		"	"	
Toluene	21	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	12	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-3-5
J231073-014(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	50	16	µg/m3	"	"		"	"	
o-Xylene	20	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.23 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*114.70 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.75 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-4-5
J231073-015(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	124	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	ND	8	µg/m3	"	"		"	"	
Toluene	11	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-4-5
J231073-015(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"		"	"	
o-Xylene	ND	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.50 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*119.06 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*83.89 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-7-5
J231073-016(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	12	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	40	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	23	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	10	8	µg/m3	"	"		"	"	
Toluene	22	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	26	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

SV-7-5
J231073-016(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304399		04/26/23	EPA 8260	
m,p-Xylene	67	16	µg/m3	"	"		"	"	
o-Xylene	33	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*93.48 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*120.59 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*85.20 %*	*60 - 140*							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304399 - EPA 8260										
CCV 1										
Benzene	9	8	%	10		90	80 - 120		120	
Chlorobenzene	10	8	%	10		99	80 - 120		120	
1,1-Dichloroethene	9	8	%	10		87	80 - 120		120	
cis-1,2-Dichloroethene	9	8	%	10		87	80 - 120		120	
Ethylbenzene	9	8	%	10		89	80 - 120		120	
Tetrachloroethene	10	8	%	10		103	80 - 120		120	
Toluene	10	8	%	10		102	80 - 120		120	
1,1,1-Trichloroethane	10	8	%	10		100	80 - 120		120	
Trichloroethene	9	8	%	10		91	80 - 120		120	
1,2,4-Trimethylbenzene	8	8	%	10		84	80 - 120		120	
Vinyl chloride	10	8	%	10		100	80 - 120		120	
LCS 1										
Benzene	2.23	8	%	2.5		89	70 - 130			
Chlorobenzene	2.68	8	%	2.5		107	70 - 130			
1,1-Dichloroethene	2.21	8	%	2.5		88	60 - 140			
cis-1,2-Dichloroethene	2.17	8	%	2.5		87	70 - 130			
Ethylbenzene	2.01	8	%	2.5		80	70 - 130			
Tetrachloroethene	2.65	8	%	2.5		106	70 - 130			
Toluene	2.30	8	%	2.5		92	70 - 130			
1,1,1-Trichloroethane	2.54	8	%	2.5		102	70 - 130			
Trichloroethene	2.55	8	%	2.5		102	70 - 130			
1,2,4-Trimethylbenzene	2.04	8	%	2.5		82	70 - 130			
Vinyl chloride	1.83	8	%	2.5		73	60 - 140			
Surrogate: Toluene-d8		*94.33 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*111.79 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*88.20 %*	*60 - 140*							
LCSD 1										
Benzene	2.66	8	%	2.5		107	70 - 130	17.67	130	
Chlorobenzene	3.24	8	%	2.5		129	70 - 130	18.92	130	

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304399 - EPA 8260										
LCSD 1										
1,1-Dichloroethene	2.04	8	%	2.5		82	60 - 140	7.84	140	
cis-1,2-Dichloroethene	2.47	8	%	2.5		99	70 - 130	13.05	130	
Ethylbenzene	2.78	8	%	2.5		111	70 - 130	32.37	130	
Tetrachloroethene	2.90	8	%	2.5		116	70 - 130	9.24	130	
Toluene	3.02	8	%	2.5		121	70 - 130	27.16	130	
1,1,1-Trichloroethane	3.08	8	%	2.5		123	70 - 130	19.14	130	
Trichloroethene	3.16	8	%	2.5		126	70 - 130	21.43	130	
1,2,4-Trimethylbenzene	2.21	8	%	2.5		88	70 - 130	8.16	130	
Vinyl chloride	1.68	8	%	2.5		67	60 - 140	8.41	140	
Surrogate: Toluene-d8		*94.78 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*112.27 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*88.46 %*	*60 - 140*							
Method Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304399 - EPA 8260										
Method Blank 1										
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
n-Heptane (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*93.80 %*					*60 - 140*			
Surrogate: Dibromofluoromethane		*114.86 %*					*60 - 140*			
Surrogate: 4-Bromofluorobenzene		*84.19 %*					*60 - 140*			
Sample Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304399 - EPA 8260										
Sample Blank 1										
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							

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Lab Director

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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304399 - EPA 8260										
Sample Blank 1										
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
n-Heptane (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*96.79 %*					*60 - 140*			
Surrogate: Dibromofluoromethane		*105.05 %*					*60 - 140*			
Surrogate: 4-Bromofluorobenzene		*91.55 %*					*60 - 140*			

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11007 FOREST PLACE
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Hazard Management Consulting	Project: 71CAL	
211 Avenida Cordoba	Project Number: 1101 California Street	Reported
San Clemente, CA 92672	Project Manager: Karla Rivera	05/01/23 13:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
E	Estimated Concentration; concentration exceeds calibration range.
LCC	Leak Check Compound
1	Recovery outside of acceptable limits. LCS/LCSD recoveries and %RSD were within QC limits, therefore data was accepted.
SMSR	Sample matrix prevented adequate surrogate recovery.
J	Value less than PQL but greater than MDL
HHSR	High hydrocarbon concentration in this sample prevented adequate surrogate recovery.

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: HMC
Project Name: 71CAL
Project Address: 1101 California Street, Redlands, CA
Email:
Phone:
Report To: Karla Rivera
Sampler: Albert Aceves

Date: 4/26/2023
Client Project #: 1101 California Ave

Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Shut-In Test: (Y) / N

Report Options: EDD ____ EDF* - 10% Surcharge____ *Global ID _____

LAB USE ONLY
Jones Project # J231073

Page 1 of 2
Sample Container: GLASS SYRINGE
If different than above, see Notes.

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☐ Mobile Lab

Tracer
- ☐ n-pentane
- ☐ n-hexane
- ☐ n-heptane
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☐ _____

Reporting Limits
☐ Standard ☐ Low Level* ☐ MDL*
*surcharge for these limits

Units: ug/m3

Analysis Requested

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)				Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV-12-5	3	1270	4/26/23	8:27	8:30	J231073-001	200	LZ	M100.601	SG	X				<2	1	
SV-12-5 REP	3	1270	4/26/23	8:31	8:46	J231073-002	200	LZ	M100.601	SG	X				<2	1	
SV-13-5	3	1270	4/26/23	8:59	9:02	J231073-003	200	BF	M100.602	SG	X				<2	1	
SV-10-5	3	1270	4/26/23	9:09	9:20	J231073-004	200	LZ	M100.603	SG	X				<2	1	
SV-11-5	3	1270	4/26/23	9:34	9:37	J231073-005	200	BF	M100.604	SG	X				<2	1	
SV-16-5	3	1270	4/26/23	10:21	10:28	J231073-006	200	LZ	M100.601	SG	X				<2	1	
SV-15-5	3	1270	4/26/23	10:01	10:11	J231073-007	200	BF	M100.602	SG	X				<2	1	
SV-14-5	3	1270	4/26/23	10:32	10:44	J231073-008	200	LZ	M100.603	SG	X				<2	1	
SV-9-5	3	1270	4/26/23	10:51	11:00	J231073-009	200	BF	M100.604	SG	X				<2	1	
SV-8-5	3	1270	4/26/23	11:23	11:27	J231073-010	200	LZ	M100.601	SG	X				<2	1	

Representative Signature: Karla P Rivera	Printed Name: Karla P Rivera	Laboratory Signature: Albert Aceves	Printed Name: Albert Aceves	10	Total Number of Containers
Company: HMC	Date: 4/26/2023	Time: 13:50	Company: JONES ENVIRONMENTAL, INC.	Date: 4/26/2023	Time: 13:50
Representative Signature	Printed Name	Laboratory Signature	Printed Name		
Company	Date	Time	Company	Date	Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: HMC
Project Name: 71CAL
Project Address: 1101 California Street, Redlands, CA
Email:
Phone:
Report To: Karla Rivera
Sampler: Albert Aceves

Date: 4/26/2023
Client Project #: 1101 California Ave

Purge Number: ☐ 1P ☑ 3P ☐ 7P ☐ 10P
Shut-In Test: Y / N

Report Options: EDD ____ EDF* - 10% Surcharge ____ *Global ID ____

LAB USE ONLY
Jones Project # J231073
Page 2 of 2
Sample Container: GLASS SYRINGE
If different than above, see Notes.

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☑ Mobile Lab

Tracer
- ☑ n-pentane
- ☑ n-hexane
- ☑ n-heptane
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☐ _____

Reporting Limits
☑ Standard ☐ Low Level* ☐ MDL* *surcharge for these limits

Units µg/m³

Analysis Requested

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)				Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV-6-5	3	1270	4/26/23	11:37	11:42	J231073-011	200	BF	M100.602	SG	X				<2	1	
SV-1-5	3	1270	4/26/23	11:54	12:05	J231073-012	200	LZ	M100.603	SG	X				<2	1	
SV-2-5	3	1270	4/26/23	12:12	12:28	J231073-013	200	BF	M100.604	SG	X				<2	1	
SV-3-5	3	1270	4/26/23	12:31	12:44	J231073-014	200	LZ	M100.601	SG	X				<2	1	
SV-4-5	3	1270	4/26/23	12:51	13:00	J231073-015	200	BF	M100.602	SG	X				<2	1	
SV-7-5	3	1270	4/26/23	13:03	13:16	J231073-016	200	LZ	M100.603	SG	X				<2	1	

Representative Signature: Karla P Rivera — Printed Name: Karla Rivera
Company: HMC — Date: 4/26/2023 — Time: 13:50

Representative Signature: — Printed Name:
Company: — Date: — Time:

Laboratory Signature: — Printed Name: Albert Aceves
Company: JONES ENVIRONMENTAL, INC. — Date: 4/26/2023 — Time: 13:50

Laboratory Signature: — Printed Name:
Company: — Date: — Time:

6 Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.