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Phase II Environmental Site Assessment
2750 East 20th Street
Signal Hill, California 90755

March 9, 2020

Prepared for:

Mr. Narsimha Reddy
2551 East Hill Street
Signal Hill, California 90755

Prepared by:

Mearns Consulting LLC
738 Ashland Avenue
Santa Monica, California 90405

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March 9, 2020

via email

Mr. Narsimha Reddy
2551 East Hill Street
Signal Hill, California 90755

RE: **Phase II Environmental Site Assessment Report**
2750 East 20th Street, Signal Hill, California 90755

Dear Mr. Reddy:

This Phase II Environmental Site Assessment (Phase II ESA) report has been prepared for the property located at 2750 East 20th Street, Signal Hill California 90755 (the site) pursuant to the City of Signal Hill Project Development Guide (June 20, 2017).

The site is being redeveloped as a residential development.

The 0.28-acre site has the following recognized environmental conditions per the Phase I ESA: two previously abandoned oil wells, aboveground storage tanks in 1928, a structure along the southern property boundary that burned and was subsequently demolished in 1989, a septic tank installed in 1991 and a leach line. This Phase II ESA was prepared to investigate these recognized environmental conditions.

The results of this Phase II ESA indicate a human health risk assessment including vapor intrusion should be prepared to address the detected concentrations of metals in site soils that exceed the screening level thresholds and the gasoline range organics detected in the vapor phase.

Should you have any questions or desire additional information, please contact me at your earliest convenience at 310.403.1921.

Sincerely,

Scott Fagan

Scott Fagan PG #4289

x Susan Mearns

Susan L. Mearns, Ph.D.

Mearns Consulting LLC

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Phase II Environmental Site Assessment
2750 East 20th Street
Signal Hill, California 90755

Background

Mearns Consulting LLC performed a Phase I Environmental Site Assessment (Phase I ESA) on the 0.28-acre property located at 2750 East 20th Street, Signal Hill, California (the site) in December 2019.

The Phase I ESA had the following conclusions:

- The 0.28-acre site was an oil field since at least 1923; there are two previously abandoned oil wells onsite. Historically, the site had these two oil wells and aboveground storage tanks.

- The single family residence is connected to a septic tank that drains to a leach line. The original septic tank and leach line have been onsite since at least 1956 and were replaced in 1991 when they were destroyed during the construction of the adjacent condominiums.

- An onsite structure was destroyed by fire and demolished in 1989.

Recognized Environmental Conditions onsite include: (1) the two previously abandoned oil wells; (2) the possible aboveground storage tanks visible in the 1928 aerial photograph along the southern property boundary; (3) the southern property boundary where the fire damaged structure was demolished in 1989; and (3) the 1991 septic tank and leach line.

The Phase I ESA had the following recommendations:

Suspect building material samples should be collected and submitted for analysis of lead and asbestos. If lead-based paint and/or lead or asbestos containing building materials are present at concentrations that exceed threshold criteria, abatement of lead-based paint and lead or asbestos containing building materials by a licensed contractor and appropriate disposal of building materials should be performed prior to demolition of the buildings.

A Limited Phase II Environmental Site Assessment (Phase II ESA) should be performed on the approximately 0.28-acre site. The Phase II ESA should include soil matrix sampling in addition to soil vapor sampling of the site adjacent to the previously abandoned oil wells, septic tank, leach line, aboveground storage tanks and fire damaged structure. Soil should be collected from 5-feet below ground surface (bgs) and 10-feet bgs or the depth of anticipated construction activities and submitted to a State of California certified laboratory for analysis of TPH-gasoline range, (TPH-g), TPH-diesel range (TPH-d), TPH-oil range (TPH-o), speciated carbon chains, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs) and total threshold limit concentration (TTLC) metals. Nested soil vapor probes should be installed at 5-feet, 10-feet and 15-feet below ground surface (bgs) and sampled for VOCs.

A methane assessment of the site should be conducted pursuant to the City of Signal Hill Oil and Gas Code §16.24.080 and Property Development Guidelines to determine if methane concentrations warrant mitigation, i.e., installation of a vapor barrier and modified active vapor collection/diffusion system, during construction of any buildings.

A baseline human health risk assessment should be performed with the data generated during the proposed soil matrix and soil vapor investigations to determine whether residual concentrations of constituents detected in onsite soils and in soil vapor underlying the site pose a risk or an adverse impact to human health or the environment.

As the site contains abandoned oil wells redevelopment of the site will require City oversight pursuant to the City of Signal Hill Oil and Gas Code §16.24 and Property Development Guidelines.

A soil management plan should be prepared prior to any grading activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations.

Phase II ESA

Based on the conclusions, including the identification of Recognized Environmental Conditions, of the Phase I ESA, Mearns Consulting LLC conducted a Phase II ESA.

Mearns Consulting LLC delineated the work areas with white spray paint and notified Underground Service Alert to clear public utility lines as required by law on February 11, 2020, at least two business days prior to excavation activities conducted on February 20, 2020 (ticket number B200420348-00B).

Prior to drilling, all locations were excavated to a minimum depth of 5-feet bgs using a hand auger to prevent damage to possible unidentified subsurface utilities.

Gregg Drilling, LLC advanced the borings using a track mounted direct push rig. The sampling system was appropriately cleaned between each borehole. Rinsate generated from cleaning was appropriately disposed.

Mearns Consulting LLC collected soil matrix samples pursuant to SW846 from four locations (SV1-SV4) at depths of 5-feet below ground surface (bgs) and 10-feet bgs and/or 15-feet bgs. Soil samples were collected in acetate sleeves with Teflon liners and end caps with minimal headspace, logged onto a chain-of-custody form and stored in a cooler at 4°C until delivered under chain of custody to Sierra Analytical Labs (a State of California Department of Health Services ELAP accredited laboratory; ELAP No. 2320). Analyses requested were total hydrocarbons-gasoline range (TPH-g), TPH-diesel range (TPH-d), TPH-oil range (TPH-o), speciated carbon chains via USEPA method GC/FID 8015B, total threshold limit concentration (TTLC) metals including hexavalent chromium via USEPA methods 6000/7000, volatile organic compounds (VOCs) via USEPA 8260B, collected via USEPA 5035B in the field by placing 5g of soil into volatile organic analyte (VOA) vials to which preservative had been added and semi-volatile organic compounds (SVOCs) via USEPA 8270C. Soil matrix analytical results are included as Appendix A.

These soil borings were then developed as two triple-nested soil vapor probes at 5-feet, 10-feet and 15-feet bgs (SV1 and SV4) and as two dual-nested soil vapor probes at 5-feet and 10-feet bgs (SV2 and SV3), due to refusal at depth because of rubble, in accordance with *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)*, DTSC, October 2011 and the *Advisory Active Soil Gas Investigations*, DTSC, LARWQCB, SFRWQCB, June 2015.

A new section of ¼-inch diameter nylaflow tubing with a new 6-inch stainless steel probe tip at the terminal end was inserted into the borehole to the desired sampling depth. One-inch diameter polyvinyl chloride (PVC) casing was used as a guide for the tubing to ensure that the desired sampling depth was achieved. Sand was poured into the boring annulus to form an approximately one-foot long sand pack around the probe tip, at which time the PVC piping was withdrawn. Approximately one foot of dry, granular bentonite was placed atop the sand pack and the remainder of the borehole was backfilled with hydrated bentonite to the ground surface to form a seal. The sampling end of the tubing was fitted with a three-way valve and the probe was labeled for identification. A diagram of the triple nested probes is provided as Figure 5.

Soil gas samples were collected in general accordance with the July 2015 Department of Toxic Substances Control (DTSC) and Los Angeles Regional Water Quality Control Board (LARWQCB) "Advisory – Active Soil Gas Investigations."

Each probe was allowed to equilibrate for a minimum of 48-hours after installation prior to sampling by a mobile laboratory. Soil vapor samples were collected in glass gas-tight syringes equipped with Teflon plungers. A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents. Prior to purging and sampling of soil vapor at each location, a shut-in test was conducted to check for leaks in the aboveground fittings. The shut-in test was performed on the aboveground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there is any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected. No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Twelve soil vapor samples were collected from these soil vapor probes by a Jones Environmental, Inc. (ELAP 2882) chemist and analyzed in a mobile laboratory on February 26, 2020. Two duplicates, one per 10 soil vapor samples and an additional duplicate at SV4-10' due to detected concentration of tetrachloroethene, were collected and analyzed by the chemist. Soil vapor analytical results are included as Appendix B.

All drilling, logging and sampling activities were conducted by or under the direct supervision of a California-Professional Geologist, and in accordance with California Well Standards presented in the Department of Water Resources (DWR) Bulletins 74-81 and 74-90. The Site Geology section and boring logs were prepared by Mr. Scott R. Fagan, a State of California Professional Geologist PG #4289. Boring logs are included as Appendix C.

Site Geology - The site is located on the south flank of Signal Hill, the surface expression of the Newport Inglewood Fault Complex and is situated south of the Cherry Hill Fault on the downthrown block. The sediments here are of the Recent Series of the Quaternary System consisting of sands, silts and clays. The sediments encountered during this investigation were predominately silt and clay.

The Groundwater aquifers on the south side of the Cherry Hill Fault are not contiguous to those mapped on the north side of the fault and are unnamed near the surface. No groundwater was encountered during this investigation to 15-feet bgs.

Soil Vapor Analytical Results - Two VOCs were detected in soil vapor at one location at a depth of 15-feet bgs (SV1-15'), sec-butylbenzene and n-propylbenzene. Tetrachloroethene (PCE) was detected at one location at a depth of 10-feet bgs (SV4-10'). These detected concentrations did not exceed their respective San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) (Table 1 and Figure 3).

Gasoline range organics (GRO) were detected in the soil vapor at SV1-10' and SV1-15' (Table 1). The soil at this location and depth had a noticeable petroleum odor.

Soil Matrix Analytical Results – The following metals were detected in concentrations greater than their respective reporting limits and less than their respective ESLs, barium, cadmium, cobalt, trivalent chromium, copper, mercury,

nickel, silver and zinc. The following metals were detected at concentrations greater than their respective ESLs, molybdenum, lead and vanadium (Table 2 and Figure 4). Although arsenic was not detected in concentrations greater than its reporting limit, the reporting limit of 7.7 is greater than the ESL, 0.67 milligrams per kilogram (mg/kg). However the reporting limit is less than the regulatory accepted background concentration of arsenic in Southern California soils, 10 mg/kg (Table 2).

Total volatile petroleum hydrocarbons- gasoline range (TVPH-g), TPH-diesel range (TPH-d) and TPH-oil range (TPH-o) were detected in one soil boring at depths of 10-feet and 15-feet bgs at concentrations greater than their respective reporting limits and less than their respective ESLs. Three VOCs, sec-butylbenzene, isopropylbenzene and n-propylbenzene were detected once in the soil matrix (SV1-15') at a concentration greater than their reporting limits and less than their respective ESLs (Table 3 and Figure 4).

Conclusions

Tetrachloroethene was detected in the soil vapor adjacent to the previously abandoned oil wells (Figure 3). Tetrachloroethene has been used as a solvent in operating oil wells.

Total petroleum hydrocarbons, carbon chains and fuel related VOCs were detected in the soil matrix, and fuel related VOCs, including gasoline range organics, were detected in the soil vapor at the northwest corner of the site (Figures 3 and 4).

The metals, molybdenum, lead and vanadium, were detected at concentrations greater than their respective ESLs (Figure 4).

Recommendations

As the proposed future development for the site is residential, a human health risk assessment including vapor intrusion is warranted based on the results of this Phase II ESA. The human health risk assessment should include an evaluation of potential health impacts to future residents and construction workers.

The Phase I ESA recommendations: building material sampling of the existing structures prior to demolition for appropriate abatement and disposal, a methane assessment pursuant to the City of Signal Hill Oil and Gas Code §16.24.080 and Property Development Guide (June 20, 2017) and a soil management plan are warranted.

Should you have any questions, please contact me at your earliest convenience at 310.403.1921.

Sincerely,

Susan L. Mearns, Ph.D.

Mearns Consulting LLC

TABLES

Table 1 - Soil Vapor Analytical Results

SAMPLE ID	DATE SAMPLED	sec-Butylbenzene µg/m³	n-Propylbenzene µg/m³	Tetrachloroethene µg/m³	Gasoline Range Organics µg/m³
ESL				15	
SV1-5'	2/26/20	<12	<8	<8	<2000
SV1-10'	2/26/20	<12	<8	<8	45900
SV1-15'	2/26/20	251	83	<8	89700
SV1-15' REP	2/26/20	295	98	<8	101000
SV2-5'	2/26/20	<12	<8	<8	<2000
SV2-10'	2/26/20	<12	<8	<8	<2000
SV3-5'	2/26/20	<12	<8	<8	<2000
SV3-10'	2/26/20	<12	<8	<8	<2000
SV4-5'	2/26/20	<12	<8	<8	<2000
SV4-10'	2/26/20	<12	<8	12	<2000
SV4-10' REP	2/26/20	<12	<8	12	<2000
SV4-15'	2/26/20	<12	<8	<8	<2000

Notes:

µg/m³ = micrograms per cubic meter

<8 = concentration is less than the Reporting Limit (8), i.e., not detected (ND)

SV1-5' = Soil Vapor Probe 1, 5' bgs

Analytical results are included as Appendix A

Only detected concentrations of VOCs are presented in this table. All other VOCs were ND.

ESL = San Francisco Regional Water Quality Control Board Environmental Screening Level 2019 (Rev. 2)

Blank Cell = ESL Not Available

Table 2 - Metals Analytical Results in Soil Matrix

SAMPLE ID	DATE SAMPLED	As mg/kg	Ba mg/kg	Cd mg/kg	Co mg/kg	Cr^{+3} mg/kg	Cu mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Pb mg/kg	Ag mg/kg	V mg/kg	Zn mg/kg
ESL		0.67	390	1.9	23	120,000	180	13	6.9	86	32	25	18	340
SV1-5	2/20/20	**<7.7**	85	<1.4	7.4	15	17	0.06	<4.2	11	21	1.2	**28**	73
SV1-10	2/20/20	**<7.7**	76	<1.4	8.2	16	13	<0.06	<4.2	10	4.3	1.4	**31**	29
SV1-15	2/20/20	**<7.7**	53	<1.4	7.4	14	11	<0.06	<4.2	11	3.5	<1.0	**26**	23
SV2-5	2/20/20	**<7.7**	82	<1.4	6.8	14	12	<0.06	<4.2	9	5.6	1.1	**27**	29
SV2-10	2/20/20	**<7.7**	270	1.9	6.7	21	29	0.07	<4.2	31	**82**	<1.0	**26**	240
SV3-5	2/20/20	**<7.7**	120	<1.4	8.2	19	31	1.25	**13**	13	**88**	1.3	**33**	100
SV3-10	2/20/20	**<7.7**	110	<1.4	7.1	15	97	0.18	<4.2	11	**44**	1.1	**28**	92
SV4-5	2/20/20	**<7.7**	75	<1.4	3.7	9.8	15	<0.05	<4.2	7.2	21	<1.0	17	33
SV4-15	2/20/20	**<7.7**	44	<1.4	6.7	11	7.3	<0.05	<4.2	<6.8	2.9	<1.0	**22**	17

Notes:
mg/kg = milligram per kilogram
As = arsenic, Ba = barium, Cd = cadmium, Co = cobalt, Cr^{+3} = trivalent chromium, Cu = copper, Hg = mercury, Mo = molybdenum, Ni = nickel, Pb = lead, Ag = silver, V = vanadium, Zn = zinc
<7.7 = concentration is less than the Reporting Limit (7.7), i.e., not detected (ND)
SV1-5 = Soil Boring1, 5-feet below ground surface (bgs).
BOLD = value exceeds the ESL
Analytical results are included as Appendix B
Soil was collected from 5-feet bgs and 10-feet bgs and/or 15-feet bgs from the same boring.
Only detected concentrations of metals are presented in this table. All other metals were ND.
ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

Table 3 - Total Petroleum Hydrocarbons and Volatile Organic Compounds Analytical Results in Soil Matrix

Sample ID	Date Sampled	TVPHg mg/kg	TPHd mg/kg	TPHo mg/kg	<C8 mg/kg	C8-C9 mg/kg	C9-C10 mg/kg	C10-C11 mg/kg	C11-C12 mg/kg	C12-C14 mg/kg	C14-C16 mg/kg	C16-C18 mg/kg	C18-C20 mg/kg	C20-C24 mg/kg	C24-C28 mg/kg	C28-C32 mg/kg	C>32 mg/kg	C7-C36 mg/kg	sec-Butylbenzene mg/kg	Isopropylbenzene mg/kg	n-Propylbenzene mg/kg
RSL*r Aromatic*		82	97	2,400															7,800	1,900	3,800
SV1-5	2/20/20	<0.045	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.0043	<0.0043	<0.0043
SV1-10	2/20/20	<0.044	46	42	<1	<1	<1	<1	<1	<1	<1	11	12	21	14	7.7	4.3	70	<0.0039	<0.0039	<0.0039
SV1-15	2/20/20	7.6	82	<5	<1	17	19	16	11	14	12	6.6	<1	<1	<1	<1	<1	96	0.063	0.01	0.038
SV2-5	2/20/20	<0.05	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.005	<0.005	<0.005
SV2-10	2/20/20	<0.06	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.005	<0.005	<0.005
SV3-5	2/20/20	<0.43	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.0042	<0.0042	<0.0042
SV3-10	2/20/20	<0.05	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.0044	<0.0044	<0.0044
SV4-5	2/20/20	<0.05	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.005	<0.005	<0.005
SV4-15	2/20/20	<0.043	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<0.0039	<0.0039	<0.0039

Notes:

TVPH-g = Total Volatile Petroleum Hydrocarbons-gasoline range C4-C12

TPH-d = Total Petroleum Hydrocarbons-diesel range C10-C24

TPH-o = Total Petroleum Hydrocarbons-oil range C22-C36

mg/kg = milligram per kilogram

<1 = concentration is less than the Reporting Limit (1), i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs).

Analytical results are included as Appendix B

Soil was collected from 5-feet bgs and 10-feet and/or 15-feet bgs bgs from the same boring

RSL*r* = USEPA Regional Screening Level for residential soils (November 2019)

FIGURES

Base map: Google Earth, 2019

N

0 250 feet

Figure 1: Site Location Map
2750 20th Street
Signal Hill, CA

Mearns Consulting LLC

Base map: Google Earth, 2019

N

0 100 feet

Figure 2: Site Map
2750 20th Street
Signal Hill, CA

Mearns Consulting LLC

EXPLANATION

- Oil well location
- Soil matrix and soil vapor sampling locations at 5', 10', and 15' bgs

SV2 stepped out four times after 5' sample

SV2-10' boring collapsed at 11', probes set at 5' and 10' bgs

SV3 stepped out four times, probes set at 5' and 10' bgs

Rubble, debris on east and south sides pf property

GRO = Gasoline Range Organics

PCE = Tetrachloroethene, SFRWQCB ESL = 15 µg/m^3

Units are micrograms per cubic meter (µg/m^3)

Base map: Google Earth, 2019

Oil well data source: DOGGR GIS Well Finder

Figure 3: Soil Vapor Analytical Results

2750 20th Street

Signal Hill, CA

Mearns Consulting LLC

EXPLANATION

- Oil well location
- Soil matrix and soil vapor sampling locations at 5', 10', and 15' bgs

SV2 stepped out four times after 5' sample

SV2-10' boring collapsed at 11', probes set at 5' and 10' bgs

SV3 stepped out four times, probes set at 5' and 10' bgs

Rubble, debris on east and south sides pf property

Mo = Molybdenum

Pb = Lead

V = Vanadium

C7 - C36 = Carbon chains range

Units are micrograms per kilograms (mg/kg)

SFRWQCB ESL = Mo = 13, Pb = 32, V = 18

Base map: Google Earth, 2019

Oil well data source: DOGGR GIS Well Finder

Figure 4: Soil Matrix Analytical Results

2750 20th Street

Signal Hill, CA

Mearns Consulting LLC

TRIPLE NESTED PROBE

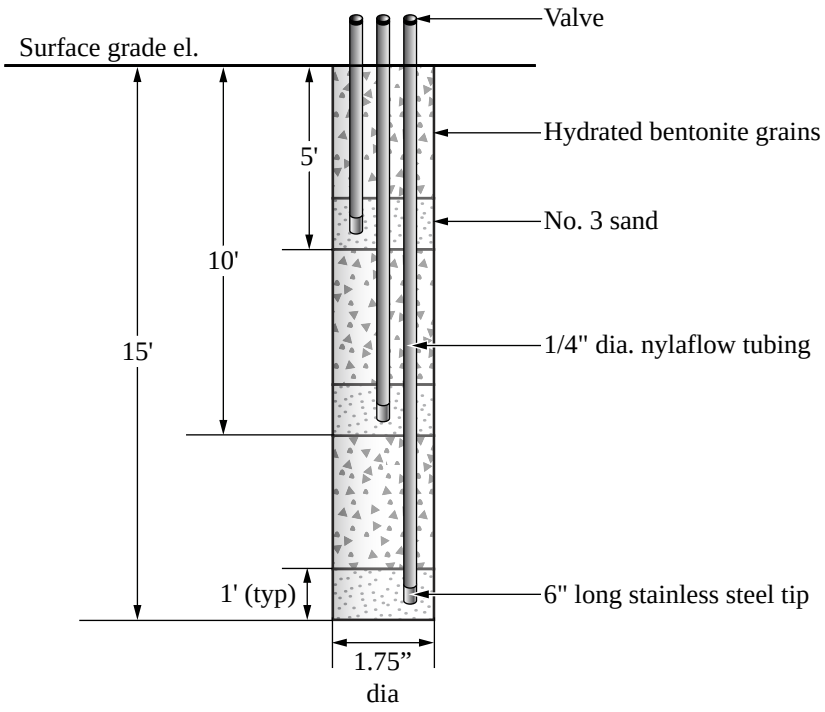

Figure 5: Soil Vapor Probe
2750 East 20th Street,
Signal Hill, CA 90755

Date: 03/09/20

Not to scale

Mearns Consulting LLC

APPENDIX A

Sierra Analytical Labs, Inc.
Soil Matrix Analytical Data
February 20, 2020

26 February 2020

Susan Mearns
Mearns Consulting LLC
738 Ashland Avenue
Santa Monica, CA 90405

RE:2750 E. 20th Signal Hill

Work Order No.: 2002245

Attached are the results of the analyses for samples received by the laboratory on 02/20/20 15:01.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accredidation Program (ELAP) No. 2320.

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-5	2002245-01	Soil	02/20/20 08:24	02/20/20 15:01
SV1-10	2002245-02	Soil	02/20/20 08:43	02/20/20 15:01
SV1-15	2002245-03	Soil	02/20/20 08:53	02/20/20 15:01
SV2-5	2002245-04	Soil	02/20/20 09:38	02/20/20 15:01
SV2-10	2002245-05	Soil	02/20/20 11:03	02/20/20 15:01
SV3-5	2002245-06	Soil	02/20/20 12:28	02/20/20 15:01
SV3-10	2002245-07	Soil	02/20/20 12:41	02/20/20 15:01
SV4-5	2002245-08	Soil	02/20/20 13:55	02/20/20 15:01
SV4-15	2002245-09	Soil	02/20/20 14:09	02/20/20 15:01

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Silver	**1.2**	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**85**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**7.4**	1.5	"	"	"	"	"	"	
Chromium	**15**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**17**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	**0.06**	0.05	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**11**	6.8	"	"	"	"	"	"	
Lead	**21**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**28**	3.0	"	"	"	"	"	"	
Zinc	**73**	4.0	"	"	"	"	"	"	
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Silver	**1.4**	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**76**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**8.2**	1.5	"	"	"	"	"	"	
Chromium	**16**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**13**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	ND	0.06	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**10**	6.8	"	"	"	"	"	"	
Lead	**4.3**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**31**	3.0	"	"	"	"	"	"	
Zinc	**29**	4.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Silver	ND	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**53**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**7.4**	1.5	"	"	"	"	"	"	
Chromium	**14**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**11**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	ND	0.06	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**11**	6.8	"	"	"	"	"	"	
Lead	**3.5**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**26**	3.0	"	"	"	"	"	"	
Zinc	**23**	4.0	"	"	"	"	"	"	
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Silver	**1.1**	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**82**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**6.8**	1.5	"	"	"	"	"	"	
Chromium	**14**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**12**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	ND	0.06	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**9.0**	6.8	"	"	"	"	"	"	
Lead	**5.6**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**27**	3.0	"	"	"	"	"	"	
Zinc	**29**	4.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Silver	ND	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**270**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	**1.9**	1.4	"	"	"	"	"	"	
Cobalt	**6.7**	1.5	"	"	"	"	"	"	
Chromium	**21**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**29**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	**0.07**	0.06	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**31**	6.8	"	"	"	"	"	"	
Lead	**82**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**26**	3.0	"	"	"	"	"	"	
Zinc	**240**	4.0	"	"	"	"	"	"	
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Silver	**1.3**	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**120**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**8.2**	1.5	"	"	"	"	"	"	
Chromium	**19**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**31**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	**1.25**	0.12	"	2	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	**13**	4.2	"	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**13**	6.8	"	"	"	"	"	"	
Lead	**88**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**33**	3.0	"	"	"	"	"	"	
Zinc	**100**	4.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Silver	**1.1**	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**110**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**7.1**	1.5	"	"	"	"	"	"	
Chromium	**15**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**97**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	**0.18**	0.05	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**11**	6.8	"	"	"	"	"	"	
Lead	**44**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**28**	3.0	"	"	"	"	"	"	
Zinc	**92**	4.0	"	"	"	"	"	"	
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Silver	ND	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**75**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**3.7**	1.5	"	"	"	"	"	"	
Chromium	**9.8**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**15**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	ND	0.05	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	**7.2**	6.8	"	"	"	"	"	"	
Lead	**21**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**17**	3.0	"	"	"	"	"	"	
Zinc	**33**	4.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Silver	ND	1.0	mg/kg	1	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Arsenic	ND	7.7	"	"	"	"	"	"	
Barium	**44**	3.0	"	"	"	"	"	"	
Beryllium	ND	1.3	"	"	"	"	"	"	
Cadmium	ND	1.4	"	"	"	"	"	"	
Cobalt	**6.7**	1.5	"	"	"	"	"	"	
Chromium	**11**	3.1	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.41	"	"	B0B2013	02/20/20	02/20/20 20:22	EPA 7199A	
Copper	**7.3**	7.0	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Mercury	ND	0.05	"	"	B0B2014	02/20/20	02/21/20 17:15	EPA 7471A	
Molybdenum	ND	4.2	"	"	B0B2012	02/20/20	02/21/20 13:16	EPA 6010B	
Nickel	ND	6.8	"	"	"	"	"	"	
Lead	**2.9**	2.6	"	"	"	"	"	"	
Antimony	ND	5.0	"	"	"	"	"	"	
Selenium	ND	7.6	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**22**	3.0	"	"	"	"	"	"	
Zinc	**17**	4.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.045	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*99.4 %*	*35-130*		"	"	"	"	
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.044	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*93.7 %*	*35-130*		"	"	"	"	
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	**7.6**	0.042	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*91.6 %*	*35-130*		"	"	"	"	
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*82.3 %*	*35-130*		"	"	"	"	
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.060	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*87.0 %*	*35-130*		"	"	"	"	
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.043	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*97.1 %*	*35-130*		"	"	"	"	
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*91.2 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*35-130*		"	"	"	"	
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.043	mg/kg	1	B0B2525	02/25/20	02/25/20 13:31	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*99.4 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	**46**	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*74.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**42**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.0 %*	*60-175*		"	"	"	"	
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	**82**	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*76.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.0 %*	*60-175*		"	"	"	"	
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	

Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*74.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.8 %*	*60-175*		"	"	"	"	
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*66.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*66.4 %*	*60-175*		"	"	"	"	
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*72.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.8 %*	*60-175*		"	"	"	"	
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
Surrogate: o-Terphenyl		*63.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*63.2 %*	*60-175*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.0090	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.0090	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.0090	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.0090	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.0090	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.0090	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.0090	"	"	"	"	"	"	
HC >= C12	ND	0.0090	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.045	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.4 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**11**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**12**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**21**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**14**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**7.7**	1.0	"	"	"	"	"	"	
HC >= C32	**4.3**	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**70**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.0 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.0088	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.0088	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.0088	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.0088	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.0088	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.0088	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.0088	"	"	"	"	"	"	
HC >= C12	ND	0.0088	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.044	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.7 %*	*35-130*		"	"	"	"	

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Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	**17**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**19**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**16**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	**11**	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**14**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**12**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**6.6**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**96**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.0 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.0083	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.0083	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.0083	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.0083	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.0083	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.0083	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.0083	"	"	"	"	"	"	
HC >= C12	**7.6**	0.0083	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	**7.6**	0.042	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.6 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*		*60-175*	"	"	"	"	
C5 <= HC < C6	ND	0.010	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.010	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.010	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
HC >= C12	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.3 %*		*35-130*	"	"	"	"	

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Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.012	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.012	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.012	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.012	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.012	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.012	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.012	"	"	"	"	"	"	
HC >= C12	ND	0.012	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.060	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.0 %*	*35-130*		"	"	"	"	

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Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.8 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.0085	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.0085	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.0085	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.0085	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.0085	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.0085	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.0085	"	"	"	"	"	"	
HC >= C12	ND	0.0085	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.043	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.1 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*66.4 %*		*60-175*	"	"	"	"	
C5 <= HC < C6	ND	0.010	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.010	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.010	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
HC >= C12	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.2 %*		*35-130*	"	"	"	"	

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Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.8 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.010	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.010	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.010	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
HC >= C12	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
HC < C8	ND	1.0	mg/kg	1	B0B2542	02/25/20	02/26/20 11:18	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*63.2 %*	*60-175*		"	"	"	"	
C5 <= HC < C6	ND	0.0086	"	"	B0B2525	"	02/25/20 13:31	"	
C6 <= HC < C7	ND	0.0086	"	"	"	"	"	"	
C7 <= HC < C8	ND	0.0086	"	"	"	"	"	"	
C8 <= HC < C9	ND	0.0086	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.0086	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.0086	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.0086	"	"	"	"	"	"	
HC >= C12	ND	0.0086	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C4-C12)	ND	0.043	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.4 %*	*35-130*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Benzene	ND	4.3	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	4.3	"	"	"	"	"	"	
Bromochloromethane	ND	4.3	"	"	"	"	"	"	
Bromodichloromethane	ND	4.3	"	"	"	"	"	"	
Bromoform	ND	4.3	"	"	"	"	"	"	
Bromomethane	ND	4.3	"	"	"	"	"	"	
n-Butylbenzene	ND	4.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.3	"	"	"	"	"	"	
Chlorobenzene	ND	4.3	"	"	"	"	"	"	
Chloroethane	ND	4.3	"	"	"	"	"	"	
Chloroform	ND	4.3	"	"	"	"	"	"	
Chloromethane	ND	4.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
Dibromochloromethane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.3	"	"	"	"	"	"	
Dibromomethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
Ethylbenzene	ND	4.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.3	"	"	"	"	"	"	
Isopropylbenzene	ND	4.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.3	"	"	"	"	"	"	
Methylene chloride	ND	4.3	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	4.3	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Naphthalene	ND	4.3	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
n-Propylbenzene	ND	4.3	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
Tetrachloroethene	ND	4.3	"	"	"	"	"	"	
Toluene	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.3	"	"	"	"	"	"	
Trichloroethene	ND	4.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
Vinyl chloride	ND	4.3	"	"	"	"	"	"	
m,p-Xylene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*74-121*		"	"	"	"	
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Benzene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
1,2-Dibromo-3-chloropropane	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
Ethylbenzene	ND	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	ND	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.9	"	"	"	"	"	"	
Methylene chloride	ND	3.9	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Naphthalene	ND	3.9	"	"	"	"	"	"	
n-Propylbenzene	ND	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	ND	3.9	"	"	"	"	"	"	
Toluene	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	ND	3.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
m,p-Xylene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*80-120*		"	"	"	
Surrogate: Toluene-d8		*92.3 %*		*81-117*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*74-121*		"	"	"	
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Benzene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	**63**	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	

Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
trans-1,3-Dichloropropene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Ethylbenzene	ND	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	**10**	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.9	"	"	"	"	"	"	
Methylene chloride	ND	3.9	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Naphthalene	ND	3.9	"	"	"	"	"	"	
n-Propylbenzene	**38**	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	ND	3.9	"	"	"	"	"	"	
Toluene	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	ND	3.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.9	"	"	"	"	"	"	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*74-121*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Benzene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Naphthalene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*85.3 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*74-121*		"	"	"	"	
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Benzene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
m,p-Xylene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*74-121*		"	"	"	"	
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Benzene	ND	4.2	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	4.2	"	"	"	"	"	"	
Bromochloromethane	ND	4.2	"	"	"	"	"	"	
Bromodichloromethane	ND	4.2	"	"	"	"	"	"	
Bromoform	ND	4.2	"	"	"	"	"	"	
Bromomethane	ND	4.2	"	"	"	"	"	"	
n-Butylbenzene	ND	4.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.2	"	"	"	"	"	"	
Chlorobenzene	ND	4.2	"	"	"	"	"	"	
Chloroethane	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.2	"	"	"	"	"	"	
Chloromethane	ND	4.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.2	"	"	"	"	"	"	
Dibromochloromethane	ND	4.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.2	"	"	"	"	"	"	
Dibromomethane	ND	4.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.2	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
trans-1,3-Dichloropropene	ND	4.2	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Ethylbenzene	ND	4.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.2	"	"	"	"	"	"	
Isopropylbenzene	ND	4.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.2	"	"	"	"	"	"	
Methylene chloride	ND	4.2	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	4.2	"	"	"	"	"	"	
Naphthalene	ND	4.2	"	"	"	"	"	"	
n-Propylbenzene	ND	4.2	"	"	"	"	"	"	
Styrene	ND	4.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.2	"	"	"	"	"	"	
Tetrachloroethene	ND	4.2	"	"	"	"	"	"	
Toluene	ND	4.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	4.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.2	"	"	"	"	"	"	
Vinyl chloride	ND	4.2	"	"	"	"	"	"	
m,p-Xylene	ND	4.2	"	"	"	"	"	"	
o-Xylene	ND	4.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*74-121*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Benzene	ND	4.4	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	4.4	"	"	"	"	"	"	
Bromochloromethane	ND	4.4	"	"	"	"	"	"	
Bromodichloromethane	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	4.4	"	"	"	"	"	"	
Bromomethane	ND	4.4	"	"	"	"	"	"	
n-Butylbenzene	ND	4.4	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.4	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.4	"	"	"	"	"	"	
Chloroethane	ND	4.4	"	"	"	"	"	"	
Chloroform	ND	4.4	"	"	"	"	"	"	
Chloromethane	ND	4.4	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.4	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.4	"	"	"	"	"	"	
Dibromochloromethane	ND	4.4	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.4	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.4	"	"	"	"	"	"	
Dibromomethane	ND	4.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.4	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.4	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.4	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.4	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.4	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.4	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.4	"	"	"	"	"	"	
Isopropylbenzene	ND	4.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.4	"	"	"	"	"	"	
Methylene chloride	ND	4.4	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	4.4	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Naphthalene	ND	4.4	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
n-Propylbenzene	ND	4.4	"	"	"	"	"	"	
Styrene	ND	4.4	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.4	"	"	"	"	"	"	
Tetrachloroethene	ND	4.4	"	"	"	"	"	"	
Toluene	ND	4.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.4	"	"	"	"	"	"	
Trichloroethene	ND	4.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.4	"	"	"	"	"	"	
Vinyl chloride	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	4.4	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*74-121*		"	"	"	"	
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Benzene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
m,p-Xylene	ND	5.0	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.3 %*		*80-120*		"	"	"	
Surrogate: Toluene-d8		*107 %*		*81-117*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*74-121*		"	"	"	
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Benzene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
trans-1,3-Dichloropropene	ND	3.9	µg/kg	1	B0B2103	02/21/20	02/24/20 08:56	EPA 8260B	
Ethylbenzene	ND	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	ND	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.9	"	"	"	"	"	"	
Methylene chloride	ND	3.9	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Naphthalene	ND	3.9	"	"	"	"	"	"	
n-Propylbenzene	ND	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	ND	3.9	"	"	"	"	"	"	
Toluene	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	ND	3.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.9	"	"	"	"	"	"	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*88.1 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*		*74-121*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (2002245-01) Soil Sampled: 02/20/20 08:24 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*94.0 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*86.8 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*99.7 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*67.0 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*115 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*74.2 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-10 (2002245-02) Soil Sampled: 02/20/20 08:43 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*117 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*104 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*120 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*85.6 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*81.8 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*78.7 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (2002245-03) Soil Sampled: 02/20/20 08:53 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*%*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*%*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*%*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*%*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*%*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (2002245-04) Soil Sampled: 02/20/20 09:38 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*102 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*92.6 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*109 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*79.3 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*65.4 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*58.6 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV2-10 (2002245-05) Soil Sampled: 02/20/20 11:03 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*70.8 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*64.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*90.1 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*102 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*48.2 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*89.2 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (2002245-06) Soil Sampled: 02/20/20 12:28 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*69.0 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*66.6 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*99.4 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*107 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*109 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*81.7 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV3-10 (2002245-07) Soil Sampled: 02/20/20 12:41 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*66.6 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*60.2 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*86.2 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*98.5 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*96.6 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*91.3 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (2002245-08) Soil Sampled: 02/20/20 13:55 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*49.4 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*49.8 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*73.3 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*88.9 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*83.2 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*82.0 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Acenaphthene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Acenaphthylene	ND	0.33	"	"	"	"	"	"	
Anthracene	ND	0.33	"	"	"	"	"	"	
Benzidine	ND	0.33	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.33	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.33	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.33	"	"	"	"	"	"	
Benzyl alcohol	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.33	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.33	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.33	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	0.33	"	"	"	"	"	"	
4-Chloroaniline	ND	0.33	"	"	"	"	"	"	
2-Chlorophenol	ND	0.33	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.33	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.33	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.33	"	"	"	"	"	"	
Chrysene	ND	0.33	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.33	"	"	"	"	"	"	
Dibenzofuran	ND	0.33	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.33	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	0.33	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.33	"	"	"	"	"	"	
Diethyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.33	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.33	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	0.33	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	0.33	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.33	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.33	"	"	"	"	"	"	
1,2-Diphenylhydrazine	ND	0.33	"	"	"	"	"	"	
Fluoranthene	ND	0.33	"	"	"	"	"	"	
Fluorene	ND	0.33	"	"	"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (2002245-09) Soil Sampled: 02/20/20 14:09 Received: 02/20/20 15:01									
Hexachlorobenzene	ND	0.33	mg/kg	1	B0B2436	02/24/20	02/25/20 09:29	EPA 8270C	
Hexachlorobutadiene	ND	0.33	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.33	"	"	"	"	"	"	
Hexachloroethane	ND	0.33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.33	"	"	"	"	"	"	
Isophorone	ND	0.33	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.33	"	"	"	"	"	"	
2-Methylphenol	ND	0.33	"	"	"	"	"	"	
4-Methylphenol	ND	0.33	"	"	"	"	"	"	
Naphthalene	ND	0.33	"	"	"	"	"	"	
2-Nitroaniline	ND	0.33	"	"	"	"	"	"	
3-Nitroaniline	ND	0.33	"	"	"	"	"	"	
4-Nitroaniline	ND	0.33	"	"	"	"	"	"	
Nitrobenzene	ND	0.33	"	"	"	"	"	"	
2-Nitrophenol	ND	0.33	"	"	"	"	"	"	
4-Nitrophenol	ND	0.33	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	0.33	"	"	"	"	"	"	
Diphenylamine	ND	0.33	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.33	"	"	"	"	"	"	
Pentachlorophenol	ND	0.33	"	"	"	"	"	"	
Phenanthrene	ND	0.33	"	"	"	"	"	"	
Phenol	ND	0.33	"	"	"	"	"	"	
Pyrene	ND	0.33	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.33	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.33	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*62.6 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*52.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*88.6 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*96.4 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*101 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*55.6 %*	*18-137*		"	"	"	"	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2012 - EPA 3050B										
Blank (B0B2012-BLK1)				Prepared: 02/20/20 Analyzed: 02/21/20						
Antimony	ND	5.0	mg/kg							
Arsenic	ND	7.7	"							
Barium	ND	3.0	"							
Beryllium	ND	1.3	"							
Cadmium	ND	1.4	"							
Chromium	ND	3.1	"							
Cobalt	ND	1.5	"							
Copper	ND	7.0	"							
Lead	ND	2.6	"							
Molybdenum	ND	4.2	"							
Nickel	ND	6.8	"							
Selenium	ND	7.6	"							
Silver	ND	1.0	"							
Thallium	ND	2.5	"							
Vanadium	ND	3.0	"							
Zinc	ND	4.0	"							
LCS (B0B2012-BS1)				Prepared: 02/20/20 Analyzed: 02/21/20						
Antimony	106	5.0	mg/kg	100		106	75-125			
Arsenic	97.8	7.7	"	100		97.8	78-122			
Barium	101	3.0	"	100		101	80-120			
Beryllium	104	1.3	"	100		104	80-120			
Cadmium	99.5	1.4	"	100		99.5	80-120			
Chromium	102	3.1	"	100		102	80-120			
Cobalt	103	1.5	"	100		103	80-120			
Copper	101	7.0	"	100		101	78-122			
Lead	96.5	2.6	"	100		96.5	80-120			
Molybdenum	95.8	4.2	"	100		95.8	80-120			
Nickel	104	6.8	"	100		104	80-120			
Selenium	99.4	7.6	"	100		99.4	76-124			
Silver	124	1.0	"	100		124	60-140			
Thallium	98.5	2.5	"	100		98.5	80-120			
Vanadium	99.7	3.0	"	100		99.7	80-120			
Zinc	98.2	4.0	"	100		98.2	80-120			

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2012 - EPA 3050B										
LCS Dup (B0B2012-BSD1)				Prepared: 02/20/20 Analyzed: 02/21/20						
Antimony	105	5.0	mg/kg	100		105	75-125	0.948	20	
Arsenic	99.4	7.7	"	100		99.4	78-122	1.62	20	
Barium	101	3.0	"	100		101	80-120	0.00	20	
Beryllium	103	1.3	"	100		103	80-120	0.966	20	
Cadmium	100	1.4	"	100		100	80-120	0.501	20	
Chromium	101	3.1	"	100		101	80-120	0.985	20	
Cobalt	102	1.5	"	100		102	80-120	0.976	20	
Copper	99.1	7.0	"	100		99.1	78-122	1.90	20	
Lead	98.7	2.6	"	100		98.7	80-120	2.25	20	
Molybdenum	98.0	4.2	"	100		98.0	80-120	2.27	20	
Nickel	103	6.8	"	100		103	80-120	0.966	20	
Selenium	101	7.6	"	100		101	76-124	1.60	20	
Silver	92.2	1.0	"	100		92.2	60-140	29.4	40	
Thallium	99.8	2.5	"	100		99.8	80-120	1.31	20	
Vanadium	98.9	3.0	"	100		98.9	80-120	0.806	20	
Zinc	99.0	4.0	"	100		99.0	80-120	0.811	20	
Matrix Spike (B0B2012-MS1)	**Source: 2002245-01**			Prepared: 02/20/20 Analyzed: 02/21/20						
Antimony	104	5.0	mg/kg	99.2	0.77	104	60-140			
Arsenic	103	7.7	"	99.2	1.1	103	70-130			
Barium	200	3.0	"	99.2	85	116	70-130			
Beryllium	102	1.3	"	99.2	0.15	103	70-130			
Cadmium	100	1.4	"	99.2	0.22	101	70-130			
Chromium	124	3.1	"	99.2	15	110	70-130			
Cobalt	111	1.5	"	99.2	7.4	104	70-130			
Copper	129	7.0	"	99.2	17	113	70-130			
Lead	126	2.6	"	99.2	21	106	70-130			
Molybdenum	93.9	4.2	"	99.2	0.50	94.2	70-130			
Nickel	116	6.8	"	99.2	11	106	70-130			
Selenium	100	7.6	"	99.2	ND	101	70-130			
Silver	100	1.0	"	99.2	1.2	99.6	60-140			
Thallium	101	2.5	"	99.2	0.77	101	70-130			
Vanadium	130	3.0	"	99.2	28	103	70-130			
Zinc	179	4.0	"	99.2	73	107	70-130			

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2012 - EPA 3050B										
Matrix Spike Dup (B0B2012-MSD1)	**Source: 2002245-01**			Prepared: 02/20/20 Analyzed: 02/21/20						
Antimony	103	5.0	mg/kg	99.0	0.77	103	60-140	0.966	20	
Arsenic	100	7.7	"	99.0	1.1	99.9	70-130	2.96	20	
Barium	200	3.0	"	99.0	85	116	70-130	0.00	20	
Beryllium	104	1.3	"	99.0	0.15	105	70-130	1.94	20	
Cadmium	101	1.4	"	99.0	0.22	102	70-130	0.995	20	
Chromium	119	3.1	"	99.0	15	105	70-130	4.12	20	
Cobalt	112	1.5	"	99.0	7.4	106	70-130	0.897	20	
Copper	129	7.0	"	99.0	17	113	70-130	0.00	30	
Lead	123	2.6	"	99.0	21	103	70-130	2.41	30	
Molybdenum	92.8	4.2	"	99.0	0.50	93.2	70-130	1.18	20	
Nickel	118	6.8	"	99.0	11	108	70-130	1.71	20	
Selenium	100	7.6	"	99.0	ND	101	70-130	0.00	20	
Silver	99.8	1.0	"	99.0	1.2	99.6	60-140	0.200	40	
Thallium	99.0	2.5	"	99.0	0.77	99.2	70-130	2.00	20	
Vanadium	131	3.0	"	99.0	28	104	70-130	0.766	20	
Zinc	181	4.0	"	99.0	73	109	70-130	1.11	20	
Batch B0B2013 - EPA 3060A										
Blank (B0B2013-BLK1)				Prepared & Analyzed: 02/20/20						
Hexavalent Chromium	ND	0.41	mg/kg							
LCS (B0B2013-BS1)				Prepared & Analyzed: 02/20/20						
Hexavalent Chromium	0.162	0.41	mg/kg	0.150		108	80-120			
Matrix Spike (B0B2013-MS1)	**Source: 2002245-01**			Prepared & Analyzed: 02/20/20						
Hexavalent Chromium	0.142	0.41	mg/kg	0.147	ND	96.6	75-125			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2013 - EPA 3060A										
Matrix Spike Dup (B0B2013-MSD1)	**Source: 2002245-01**			Prepared & Analyzed: 02/20/20						
Hexavalent Chromium	0.145	0.41	mg/kg	0.147	ND	98.6	75-125	2.09	20	
Batch B0B2014 - EPA 7471A										
Blank (B0B2014-BLK1)				Prepared: 02/20/20 Analyzed: 02/21/20						
Mercury	ND	0.06	mg/kg							
LCS (B0B2014-BS1)				Prepared: 02/20/20 Analyzed: 02/21/20						
Mercury	0.17	0.06	mg/kg	0.167		102	70-130			
Matrix Spike (B0B2014-MS1)	**Source: 2002245-01**			Prepared: 02/20/20 Analyzed: 02/21/20						
Mercury	0.16	0.05	mg/kg	0.148	0.06	67.6	70-130			QM-07
Matrix Spike Dup (B0B2014-MSD1)	**Source: 2002245-01**			Prepared: 02/20/20 Analyzed: 02/21/20						
Mercury	0.16	0.05	mg/kg	0.148	0.06	67.6	70-130	0.00	30	QM-07

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2525 - EPA 5035 P & T										
Blank (B0B2525-BLK1)				Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg							
Surrogate: a,a,a-Trifluorotoluene	*0.0207*		*"*	*0.0200*		*104*	*35-130*			
LCS (B0B2525-BS1)				Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.543	0.050	mg/kg	0.600		90.5	85-115			
Matrix Spike (B0B2525-MS1)		**Source: 2002245-09**		Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.557	0.050	mg/kg	0.600	ND	92.8	50-150			
Matrix Spike Dup (B0B2525-MSD1)		**Source: 2002245-09**		Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.565	0.050	mg/kg	0.600	ND	94.2	50-150	1.43	30	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2542 - EPA 3550B Solid Ext										
Blank (B0B2542-BLK1)				Prepared: 02/25/20 Analyzed: 02/26/20						
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg							
Oil Range Organics (C22-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*1.74*		*"*	*2.50*		*69.6*	*60-175*			
Surrogate: o-Terphenyl	*1.74*		*"*	*2.50*		*69.6*	*60-175*			
LCS (B0B2542-BS1)				Prepared: 02/25/20 Analyzed: 02/26/20						
Diesel Range Organics (C10-C24)	4.81	5.0	mg/kg	5.00		96.2	80-120			
Diesel Range Organics (C10-C24)	4.81	5.0	"	5.00		96.2	80-120			
Matrix Spike (B0B2542-MS1)	**Source: 2002245-09**			Prepared: 02/25/20 Analyzed: 02/26/20						
Diesel Range Organics (C10-C24)	5.89	5.0	mg/kg	5.00	ND	118	50-150			
Diesel Range Organics (C10-C24)	5.89	5.0	"	5.00	ND	118	50-150			
Matrix Spike Dup (B0B2542-MSD1)	**Source: 2002245-09**			Prepared: 02/25/20 Analyzed: 02/26/20						
Diesel Range Organics (C10-C24)	5.71	5.0	mg/kg	5.00	ND	114	50-150	3.10	30	
Diesel Range Organics (C10-C24)	5.71	5.0	"	5.00	ND	114	50-150	3.10	30	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2525 - EPA 5035 P & T										
Blank (B0B2525-BLK1)				Prepared & Analyzed: 02/25/20						
C5 <= HC < C6	ND	0.010	mg/kg							
C6 <= HC < C7	ND	0.010	"							
C7 <= HC < C8	ND	0.010	"							
C8 <= HC < C9	ND	0.010	"							
C9 <= HC < C10	ND	0.010	"							
C10 <= HC < C11	ND	0.010	"							
C11 <= HC < C12	ND	0.010	"							
HC >= C12	ND	0.010	"							
Total Petroleum Hydrocarbons (C4-C12)	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.0207*		*"*	*0.0200*		*104*	*35-130*			
LCS (B0B2525-BS1)				Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.543	0.050	mg/kg	0.600		90.5	80-120			
Matrix Spike (B0B2525-MS1)	**Source: 2002245-09**			Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.557	0.050	mg/kg	0.600	ND	92.8	50-150			
Matrix Spike Dup (B0B2525-MSD1)	**Source: 2002245-09**			Prepared & Analyzed: 02/25/20						
Gasoline Range Hydrocarbons (C4-C12)	0.565	0.050	mg/kg	0.600	ND	94.2	50-150	1.43	30	
Batch B0B2542 - EPA 3550B Solid Ext										
Blank (B0B2542-BLK1)				Prepared: 02/25/20 Analyzed: 02/26/20						
HC < C8	ND	1.0	mg/kg							
C8 <= HC < C9	ND	1.0	"							
C9 <= HC < C10	ND	1.0	"							
C10 <= HC < C11	ND	1.0	"							
C11 <= HC < C12	ND	1.0	"							
C12 <= HC < C14	ND	1.0	"							
C14 <= HC < C16	ND	1.0	"							
C16 <= HC < C18	ND	1.0	"							
C18 <= HC < C20	ND	1.0	"							
C20 <= HC < C24	ND	1.0	"							
C24 <= HC < C28	ND	1.0	"							
C28 <= HC < C32	ND	1.0	"							
HC >= C32	ND	1.0	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*1.74*		*"*	*2.50*		*69.6*	*60-175*			

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Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2542 - EPA 3550B Solid Ext										
LCS (B0B2542-BS1)				Prepared: 02/25/20		Analyzed: 02/26/20				
Diesel Range Organics (C10-C24)	4.81	5.0	mg/kg	5.00		96.2	80-120			
Matrix Spike (B0B2542-MS1)	**Source: 2002245-09**			Prepared: 02/25/20		Analyzed: 02/26/20				
Diesel Range Organics (C10-C24)	5.89	5.0	mg/kg	5.00	ND	118	50-150			
Matrix Spike Dup (B0B2542-MSD1)	**Source: 2002245-09**			Prepared: 02/25/20		Analyzed: 02/26/20				
Diesel Range Organics (C10-C24)	5.71	5.0	mg/kg	5.00	ND	114	50-150	3.10	30	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2103 - EPA 5035 P & T										
Blank (B0B2103-BLK1)				Prepared: 02/21/20 Analyzed: 02/24/20						
Benzene	ND	5.0	µg/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2103 - EPA 5035 P & T										
Blank (B0B2103-BLK1)				Prepared: 02/21/20 Analyzed: 02/24/20						
Isopropylbenzene	ND	5.0	µg/kg							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*49.9*		*"*	*50.0*		*99.8*	*80-120*			
Surrogate: Toluene-d8	*41.9*		*"*	*50.0*		*83.8*	*81-117*			
Surrogate: 4-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*74-121*			
LCS (B0B2103-BS1)				Prepared: 02/21/20 Analyzed: 02/24/20						
Benzene	49.9	5.0	µg/kg	50.0		99.8	80-120			
Chlorobenzene	43.6	5.0	"	50.0		87.2	80-120			
1,1-Dichloroethene	45.6	5.0	"	50.0		91.2	80-120			
Toluene	46.3	5.0	"	50.0		92.6	80-120			
Trichloroethene	47.1	5.0	"	50.0		94.2	80-120			

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2103 - EPA 5035 P & T										
Matrix Spike (B0B2103-MS1)	**Source: 2002245-09**			Prepared: 02/21/20	Analyzed: 02/24/20					
Benzene	46.6	5.0	µg/kg	50.0	ND	93.2	37-151			
Chlorobenzene	49.1	5.0	"	50.0	ND	98.2	37-160			
1,1-Dichloroethene	45.2	5.0	"	50.0	ND	90.4	50-150			
Toluene	40.8	5.0	"	50.0	ND	81.6	47-150			
Trichloroethene	44.1	5.0	"	50.0	ND	88.2	71-157			
Matrix Spike Dup (B0B2103-MSD1)	**Source: 2002245-09**			Prepared: 02/21/20	Analyzed: 02/24/20					
Benzene	45.4	5.0	µg/kg	50.0	ND	90.8	37-151	2.61	30	
Chlorobenzene	50.2	5.0	"	50.0	ND	100	37-160	2.22	30	
1,1-Dichloroethene	40.9	5.0	"	50.0	ND	81.8	50-150	9.99	30	
Toluene	40.2	5.0	"	50.0	ND	80.4	47-150	1.48	30	
Trichloroethene	44.8	5.0	"	50.0	ND	89.6	71-157	1.57	30	

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2436 - EPA 3550B Solid Ext										
Blank (B0B2436-BLK1)				Prepared: 02/24/20 Analyzed: 02/25/20						
Acenaphthene	ND	0.33	mg/kg							
Acenaphthylene	ND	0.33	"							
Anthracene	ND	0.33	"							
Benzidine	ND	0.33	"							
Benzo (a) anthracene	ND	0.33	"							
Benzo (b) fluoranthene	ND	0.33	"							
Benzo (k) fluoranthene	ND	0.33	"							
Benzo (a) pyrene	ND	0.33	"							
Benzo (g,h,i) perylene	ND	0.33	"							
Benzyl alcohol	ND	0.33	"							
Bis(2-chloroethyl)ether	ND	0.33	"							
Bis(2-chloroethoxy)methane	ND	0.33	"							
Bis(2-ethylhexyl)phthalate	ND	0.33	"							
Bis(2-chloroisopropyl)ether	ND	0.33	"							
4-Bromophenyl phenyl ether	ND	0.33	"							
Butyl benzyl phthalate	ND	0.33	"							
4-Chloroaniline	ND	0.33	"							
2-Chlorophenol	ND	0.33	"							
4-Chloro-3-methylphenol	ND	0.33	"							
2-Chloronaphthalene	ND	0.33	"							
4-Chlorophenyl phenyl ether	ND	0.33	"							
Chrysene	ND	0.33	"							
Dibenz (a,h) anthracene	ND	0.33	"							
Dibenzofuran	ND	0.33	"							
1,3-Dichlorobenzene	ND	0.33	"							
1,2-Dichlorobenzene	ND	0.33	"							
1,4-Dichlorobenzene	ND	0.33	"							
3,3´-Dichlorobenzidine	ND	0.33	"							
2,4-Dichlorophenol	ND	0.33	"							
Diethyl phthalate	ND	0.33	"							
2,4-Dimethylphenol	ND	0.33	"							
Dimethyl phthalate	ND	0.33	"							
Di-n-butyl phthalate	ND	0.33	"							
2,4-Dinitrophenol	ND	0.33	"							
4,6-Dinitro-2-methylphenol	ND	0.33	"							
2,4-Dinitrotoluene	ND	0.33	"							
2,6-Dinitrotoluene	ND	0.33	"							

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2436 - EPA 3550B Solid Ext										
Blank (B0B2436-BLK1)				Prepared: 02/24/20 Analyzed: 02/25/20						
Di-n-octyl phthalate	ND	0.33	mg/kg							
1,2-Diphenylhydrazine	ND	0.33	"							
Fluoranthene	ND	0.33	"							
Fluorene	ND	0.33	"							
Hexachlorobenzene	ND	0.33	"							
Hexachlorobutadiene	ND	0.33	"							
Hexachlorocyclopentadiene	ND	0.33	"							
Hexachloroethane	ND	0.33	"							
Indeno (1,2,3-cd) pyrene	ND	0.33	"							
Isophorone	ND	0.33	"							
2-Methylnaphthalene	ND	0.33	"							
2-Methylphenol	ND	0.33	"							
4-Methylphenol	ND	0.33	"							
Naphthalene	ND	0.33	"							
2-Nitroaniline	ND	0.33	"							
3-Nitroaniline	ND	0.33	"							
4-Nitroaniline	ND	0.33	"							
Nitrobenzene	ND	0.33	"							
2-Nitrophenol	ND	0.33	"							
4-Nitrophenol	ND	0.33	"							
N-Nitrosodimethylamine	ND	0.33	"							
Diphenylamine	ND	0.33	"							
N-Nitrosodi-n-propylamine	ND	0.33	"							
Pentachlorophenol	ND	0.33	"							
Phenanthrene	ND	0.33	"							
Phenol	ND	0.33	"							
Pyrene	ND	0.33	"							
1,2,4-Trichlorobenzene	ND	0.33	"							
2,4,5-Trichlorophenol	ND	0.33	"							
2,4,6-Trichlorophenol	ND	0.33	"							
Surrogate: 2-Fluorophenol	*0.409*		"	*0.500*		*81.8*	*25-121*			
Surrogate: Phenol-d6	*0.380*		"	*0.500*		*76.0*	*24-113*			
Surrogate: Nitrobenzene-d5	*0.324*		"	*0.333*		*97.3*	*23-120*			
Surrogate: 2-Fluorobiphenyl	*0.223*		"	*0.333*		*67.0*	*30-115*			
Surrogate: 2,4,6-Tribromophenol	*0.478*		"	*0.500*		*95.6*	*19-122*			
Surrogate: Terphenyl-d14	*0.264*		"	*0.333*		*79.3*	*18-137*			

Mearns Consulting LLC	Project: 2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number: [none]	**Reported:**
Santa Monica CA, 90405	Project Manager: Susan Mearns	02/26/20 14:46

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B2436 - EPA 3550B Solid Ext										
LCS (B0B2436-BS1)				Prepared: 02/24/20 Analyzed: 02/25/20						
Acenaphthene	0.242	0.33	mg/kg	0.333		72.7	47-145			
2-Chlorophenol	0.760	0.33	"	0.667		114	23-134			
4-Chloro-3-methylphenol	0.771	0.33	"	0.667		116	22-147			
1,4-Dichlorobenzene	0.320	0.33	"	0.333		96.1	20-124			
2,4-Dinitrotoluene	0.222	0.33	"	0.333		66.7	39-139			
4-Nitrophenol	0.801	0.33	"	0.667		120	0-132			
N-Nitrosodi-n-propylamine	0.450	0.33	"	0.333		135	0-230			
Pentachlorophenol	0.226	0.33	"	0.667		33.9	14-176			
Phenol	0.484	0.33	"	0.667		72.6	5-112			
Pyrene	0.177	0.33	"	0.333		53.2	52-115			
1,2,4-Trichlorobenzene	0.318	0.33	"	0.333		95.5	44-142			
Matrix Spike (B0B2436-MS1)		**Source: 2002245-09**		Prepared: 02/24/20 Analyzed: 02/25/20						
Acenaphthene	0.262	0.33	mg/kg	0.333	ND	78.7	47-145			
2-Chlorophenol	0.883	0.33	"	0.667	ND	132	23-134			
4-Chloro-3-methylphenol	0.725	0.33	"	0.667	ND	109	22-147			
1,4-Dichlorobenzene	0.320	0.33	"	0.333	ND	96.1	20-124			
2,4-Dinitrotoluene	0.151	0.33	"	0.333	ND	45.3	39-139			
4-Nitrophenol	0.680	0.33	"	0.667	ND	102	0-132			
N-Nitrosodi-n-propylamine	0.429	0.33	"	0.333	ND	129	0-230			
Pentachlorophenol	0.349	0.33	"	0.667	ND	52.3	14-176			
Phenol	0.619	0.33	"	0.667	ND	92.8	5-112			
Pyrene	0.290	0.33	"	0.333	ND	87.1	52-115			
1,2,4-Trichlorobenzene	0.312	0.33	"	0.333	ND	93.7	44-142			
Matrix Spike Dup (B0B2436-MSD1)		**Source: 2002245-09**		Prepared: 02/24/20 Analyzed: 02/25/20						
Acenaphthene	0.297	0.33	mg/kg	0.333	ND	89.2	47-145	12.5	30	
2-Chlorophenol	0.831	0.33	"	0.667	ND	125	23-134	6.07	30	
4-Chloro-3-methylphenol	0.730	0.33	"	0.667	ND	109	22-147	0.687	30	
1,4-Dichlorobenzene	0.347	0.33	"	0.333	ND	104	20-124	8.10	30	
2,4-Dinitrotoluene	0.173	0.33	"	0.333	ND	52.0	39-139	13.6	30	
4-Nitrophenol	0.638	0.33	"	0.667	ND	95.7	0-132	6.37	30	
N-Nitrosodi-n-propylamine	0.479	0.33	"	0.333	ND	144	0-230	11.0	30	
Pentachlorophenol	0.308	0.33	"	0.667	ND	46.2	14-176	12.5	30	
Phenol	0.583	0.33	"	0.667	ND	87.4	5-112	5.99	30	
Pyrene	0.271	0.33	"	0.333	ND	81.4	52-115	6.77	30	
1,2,4-Trichlorobenzene	0.351	0.33	"	0.333	ND	105	44-142	11.8	30	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Mearns Consulting LLC	Project:	2750 E. 20th Signal Hill	
738 Ashland Avenue	Project Number:	[none]	**Reported:**
Santa Monica CA, 90405	Project Manager:	Susan Mearns	02/26/20 14:46

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 2 / 20 / 20 Page: 1 of 1

Lab Work Order No.: 2002245

Client: MEARNS CONSULTING CORP
Client Address: 738 ASHLAND AVE
SANTA MONICA CA 90405
Client Tel. No.: 310 403 1921
Client Fax. No.: 310 396 6878
Client Proj. Mgr.: SUSAN L MEARNS PHD

Client Project ID: 2750 E 20th SIGNAL HILL

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPHg 8015B	TPHd 8015B	TPHo 8015B	SPECIATED CARBON CHAINS 8015B	VOCs 5035B / 8260B	SVOCs 8270	TTLC Metals 6000/7000	Cr+6
SV1-5	01	2.20.20	0824	SOIL	ICE	6" SLV VOA VIALS	1/4	X	X	X	X	X	X	X	X
SV1-10	02		0843					X	X	X	X	X	X	X	X
SV1-15	03		0853					X	X	X	X	X	X	X	X
SV2-5	04		0938					X	X	X	X	X	X	X	X
SV2-10	05		1103					X	X	X	X	X	X	X	X
SV3-5	06		1228					X	X	X	X	X	X	X	X
SV3-10	07		1241					X	X	X	X	X	X	X	X
SV4-5	08		1355					X	X	X	X	X	X	X	X
SV4-15	09		1409					X	X	X	X	X	X	X	X

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

1 Sampler Signature: Scott Fagan
Printed Name: SUSAN MEARNS Scott Fagan
Shipped Via: HAND DELIVERED
(Carrier/Waybill No.)

2 Relinquished By: SM Date: 2.20.20 Time: 1501 Company: MEARNS CONSULTING
Received By: K Fright Date: 2-20-20 Time: 1501 Company: SIERRA

3 Relinquished By: Date: Time: Company:
Received By: Date: Time: Company:

4 Relinquished By: Date: Time: Company:
Received By: Date: Time: Company:

Special Instructions:

36 Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* Samples determined to be hazardous by SIERRA will be returned to CLIENT.

36 Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location R5-RL43

Rev: 120321

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

APPENDIX B

Jones Environmental Inc.
Soil Vapor Analytical Results
February 26, 2020

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Mearns Consulting Corp	**Report date:**	2/26/2020
Client Address:	738 Ashland Avenue Santa Monica, CA 90405	**Jones Ref. No.:**	D-1784
Attn:	Susan Mearns	**Date Sampled:**	2/26/2020
		Date Received:	2/26/2020
Project:	2750 E 20th St	**Date Analyzed:**	2/26/2020
Project Address:	2750 E 20th St Signal Hill, CA 90755	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval:

Colby Wakeman
QA/QC Manager

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Mearns Consulting Corp	**Report date:**	2/26/2020
Client Address:	738 Ashland Avenue Santa Monica, CA 90405	**Jones Ref. No.:**	D-1784
Attn:	Susan Mearns	**Date Sampled:**	2/26/2020
		Date Received:	2/26/2020
Project:	2750 E 20th St	**Date Analyzed:**	2/26/2020
Project Address:	2750 E 20th St Signal Hill, CA 90755	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV1-5'**	**SV1-10'**	**SV1-15'**	**SV1-15' REP**	**SV2-5'**		
Jones ID:	**D-1784-01**	**D-1784-02**	**D-1784-03**	**D-1784-04**	**D-1784-05**	**Reporting Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	**251**	**295**	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV1-5'**	**SV1-10'**	**SV1-15'**	**SV1-15' REP**	**SV2-5'**		
Jones ID:	**D-1784-01**	**D-1784-02**	**D-1784-03**	**D-1784-04**	**D-1784-05**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	**83**	**98**	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	ND	ND	ND	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	16	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Gasoline Range Organics (C4-C12)	ND	**45900**	**89700**	**101000**	ND	2000	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	113%	110%	113%	112%	114%	60 - 140	
Toluene-d_8	94%	96%	100%	101%	93%	60 - 140	
4-Bromofluorobenzene	94%	104%	91%	97%	92%	60 - 140	
Batch ID:	D1-022620-01	D1-022620-01	D1-022620-01	D1-022620-01	D1-022620-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Mearns Consulting Corp	**Report date:**	2/26/2020
Client Address:	738 Ashland Avenue Santa Monica, CA 90405	**Jones Ref. No.:**	D-1784
Attn:	Susan Mearns	**Date Sampled:**	2/26/2020
		Date Received:	2/26/2020
Project:	2750 E 20th St	**Date Analyzed:**	2/26/2020
Project Address:	2750 E 20th St Signal Hill, CA 90755	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV2-10'**	**SV3-5'**	**SV3-10'**	**SV4-5'**	**SV4-10'**		
Jones ID:	**D-1784-06**	**D-1784-07**	**D-1784-08**	**D-1784-09**	**D-1784-10**	**Reporting Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV2-10'**	**SV3-5'**	**SV3-10'**	**SV4-5'**	**SV4-10'**		
Jones ID:	**D-1784-06**	**D-1784-07**	**D-1784-08**	**D-1784-09**	**D-1784-10**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	8	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	**12**	8	µg/m3
Toluene	ND	ND	ND	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	ND	ND	ND	16	µg/m3
o-Xylene	ND	ND	ND	ND	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	2000	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	113%	114%	112%	113%	114%	60 - 140	
Toluene-d_8	93%	93%	94%	90%	92%	60 - 140	
4-Bromofluorobenzene	90%	92%	91%	92%	90%	60 - 140	
Batch ID:	D1-022620-01	D1-022620-01	D1-022620-01	D1-022620-01	D1-022620-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Mearns Consulting Corp	**Report date:**	2/26/2020
Client Address:	738 Ashland Avenue Santa Monica, CA 90405	**Jones Ref. No.:**	D-1784
Attn:	Susan Mearns	**Date Sampled:**	2/26/2020
		Date Received:	2/26/2020
Project:	2750 E 20th St	**Date Analyzed:**	2/26/2020
Project Address:	2750 E 20th St Signal Hill, CA 90755	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV4-15'**	**SV4-10' REP**		
Jones ID:	**D-1784-11**	**D-1784-12**	**Reporting Limit**	**Units**
Analytes:				
Benzene	ND	ND	8	µg/m3
Bromobenzene	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	8	µg/m3
Bromoform	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	8	µg/m3
Chloroform	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8	µg/m3
Dibromomethane	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SV4-15'**	**SV4-10' REP**		
Jones ID:	**D-1784-11**	**D-1784-12**	**Reporting Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	8	µg/m3
Freon 113	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	8	µg/m3
Methylene chloride	ND	ND	8	µg/m3
Naphthalene	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	8	µg/m3
Styrene	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	16	µg/m3
Tetrachloroethene	ND	**12**	8	µg/m3
Toluene	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	8	µg/m3
Trichloroethene	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	16	µg/m3
o-Xylene	ND	ND	8	µg/m3
MTBE	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	400	µg/m3
Gasoline Range Organics (C4-C12)	ND	ND	2000	µg/m3
Tracer:				
n-Pentane	ND	ND	80	µg/m3
n-Hexane	ND	ND	80	µg/m3
n-Heptane	ND	ND	80	µg/m3
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	117%	114%	60 - 140	
Toluene-d_8	95%	92%	60 - 140	
4-Bromofluorobenzene	93%	91%	60 - 140	
Batch ID:	D1-022620-01	D1-022620-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Mearns Consulting Corp	**Report date:**	2/26/2020
Client Address:	738 Ashland Avenue Santa Monica, CA 90405	**Jones Ref. No.:**	D-1784
Attn:	Susan Mearns	**Date Sampled:**	2/26/2020
		Date Received:	2/26/2020
Project:	2750 E 20th St	**Date Analyzed:**	2/26/2020
Project Address:	2750 E 20th St Signal Hill, CA 90755	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
Jones ID:	**022620-D1MB1**	**022620-D1SB1**	**Reporting Limit**	**Units**
Analytes:				
Benzene	ND	ND	8	µg/m3
Bromobenzene	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	8	µg/m3
Bromoform	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	8	µg/m3
Chloroform	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8	µg/m3
Dibromomethane	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	10	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
Jones ID:	**022620-D1MB1**	**022620-D1SB1**	**Reporting Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	8	µg/m3
Freon 113	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	8	µg/m3
Methylene chloride	ND	ND	8	µg/m3
Naphthalene	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	8	µg/m3
Styrene	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	8	µg/m3
Toluene	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	8	µg/m3
Trichloroethene	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	16	µg/m3
o-Xylene	ND	ND	8	µg/m3
MTBE	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	400	µg/m3
Gasoline Range Organics (C4-C12)	ND	ND	2000	µg/m3
Tracer:				
n-Pentane	ND	ND	80	µg/m3
n-Hexane	ND	ND	80	µg/m3
n-Heptane	ND	ND	80	µg/m3
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	111%	121%	60 - 140	
Toluene-d_8	89%	92%	60 - 140	
4-Bromofluorobenzene	92%	92%	60 - 140	
Batch ID:	D1-022620-01	D1-022620-01		

ND = Value below reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Corp
Client Address: 738 Ashland Avenue, Santa Monica, CA 90405
Attn: Susan Mearns
Project: 2750 E 20th St
Project Address: 2750 E 20th St, Signal Hill, CA 90755

Report date: 2/26/2020
Jones Ref. No.: D-1784
Date Sampled: 2/26/2020
Date Received: 2/26/2020
Date Analyzed: 2/26/2020
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Batch ID: D1-022620-01

Jones ID:	**022620-D1LCS1**	**022620-D1LCDS1**			**022620-D1CCV1**	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	71%	76%	7.1%	60 - 140	94%	80 - 120
1,1-Dichloroethene	81%	86%	5.9%	60 - 140	86%	80 - 120
Cis-1,2-Dichloroethene	87%	94%	7.9%	70 - 130	88%	80 - 120
1,1,1-Trichloroethane	81%	85%	4.9%	70 - 130	91%	80 - 120
Benzene	89%	89%	0.3%	70 - 130	93%	80 - 120
Trichloroethene	92%	98%	6.0%	70 - 130	102%	80 - 120
Toluene	82%	89%	8.7%	70 - 130	89%	80 - 120
Tetrachloroethene	79%	88%	9.7%	70 - 130	94%	80 - 120
Chlorobenzene	80%	89%	10.3%	70 - 130	89%	80 - 120
Ethylbenzene	84%	95%	11.9%	70 - 130	95%	80 - 120
1,2,4 Trimethylbenzene	76%	86%	12.6%	70 - 130	91%	80 - 120
Gasoline Range Organics (C4-C12)	83%	90%	8.1%	70 - 130	92%	80 - 120
Surrogate Recovery:						
Dibromofluoromethane	113%	113%		60 - 140	105%	60 - 140
Toluene-d_8	92%	95%		60 - 140	95%	60 - 140
4-Bromofluorobenzene	93%	98%		60 - 140	101%	60 - 140

LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

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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: Mearns Consulting Corp
Project Name: 2750 E 20th St
Project Address: 2750 E 20th St
Signal Hill, CA 90755
Email:
Phone:
Report To: Susan Mearns
Sampler: Jackson Nestor

Date: 2/26/2020
Client Project #:

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

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

LAB USE ONLY
Jones Project #: D-1784

Page 1 of 2

Sample Container: GASTIGHT 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: _____

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)	Gasoline Range Organics			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV1-5'	3	1310	2/26/20	7:21	7:23	D-1784-01	200	GOOSE.1	M100.006	SG	X	X			<2	1	
SV1-10'	3	1390	2/26/20	7:36	7:39	D-1784-02	200	JOEL.1	118009	SG	X	X			10	1	
SV1-15'	3	1470	2/26/20	7:49	7:56	D-1784-03	200	GOOSE.1	M100.107	SG	X	X			14	1	
SV1-15' REP	3	1470	2/26/20	8:11	8:15	D-1784-04	200	GOOSE.1	M100.107	SG	X	X			14	1	
SV2-5'	3	1,310	2/26/20	8:13	8:32	D-1784-05	200	GOOSE.1	M100.114	SG	X	X			<2	1	
SV2-10'	3	1,390	2/26/20	8:40	8:49	D-1784-06	200	JOEL.1	M100.006	SG	X	X			<2	1	
SV3-5'	3	1,310	2/26/20	8:59	9:07	D-1784-07	200	GOOSE.1	118009	SG	X	X			<2	1	
SV3-10'	3	1390	2/26/20	9:21	9:24	D-1784-08	200	JOEL.1	M100.107	SG	X	X			<2	1	
SV4-5'	3	1310	2/26/20	9:39	9:41	D-1784-09	200	GOOSE.1	M100.114	SG	X	X			<2	1	
SV4-10'	3	1390	2/26/20	9:55	9:58	D-1784-10	200	JOEL.1	M100.006	SG	X	X			<2	1	

Representative Signature	Printed Name: SUSAN MEARNS	Laboratory Signature	Printed Name: Jackson Nestor	10 Total Number of Containers
Company: MEARNS CONSULTING	Date: 2/26/2020 Time:	Company: JONES ENVIRONMENTAL, INC.	Date: 2/26/2020 Time: 1113	
Representative Signature	Printed Name	Laboratory Signature	Printed Name	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.
Company	Date Time	Company	Date Time	

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Soil-Gas Chain-of-Custody Record

Client: Mearns Consulting Corp
Project Name: 2750 E 20th St
Project Address: 2750 E 20th St
Signal Hill, CA 90755
Email:
Phone:
Report To: Susan Mearns
Sampler: Jackson Nestor

Date: 2/26/2020
Client Project #:

Purge Number: □ 1P □ 3P □ 7P □ 10P

Shut-In Test: Y / N

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

LAB USE ONLY
Jones Project #: D-1784

Page 2 of 2

Sample Container: GASTIGHT 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 _____

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)	Gasoline Range Organics			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV4-15'	3	1470	2/26/20	10:13	10:16	D-1784-11	200	GOOSE.1	M100.107	SG	X	X			<2	1	
SV4-10' REP	3	1390	2/26/20	10:44	10:46	D-1784-12	200	JOEL.1	M100.006	SG	X	X			<2	1	

Representative Signature: [signature] **Printed Name:** SUSAN MEARNS
Company: MEARNS CONSULTING **Date:** 2/26/2020 **Time:**

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

Laboratory Signature: [signature] **Printed Name:** Jackson Nestor
Company: JONES ENVIRONMENTAL, INC. **Date:** 2/26/2020 **Time:** 1113

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

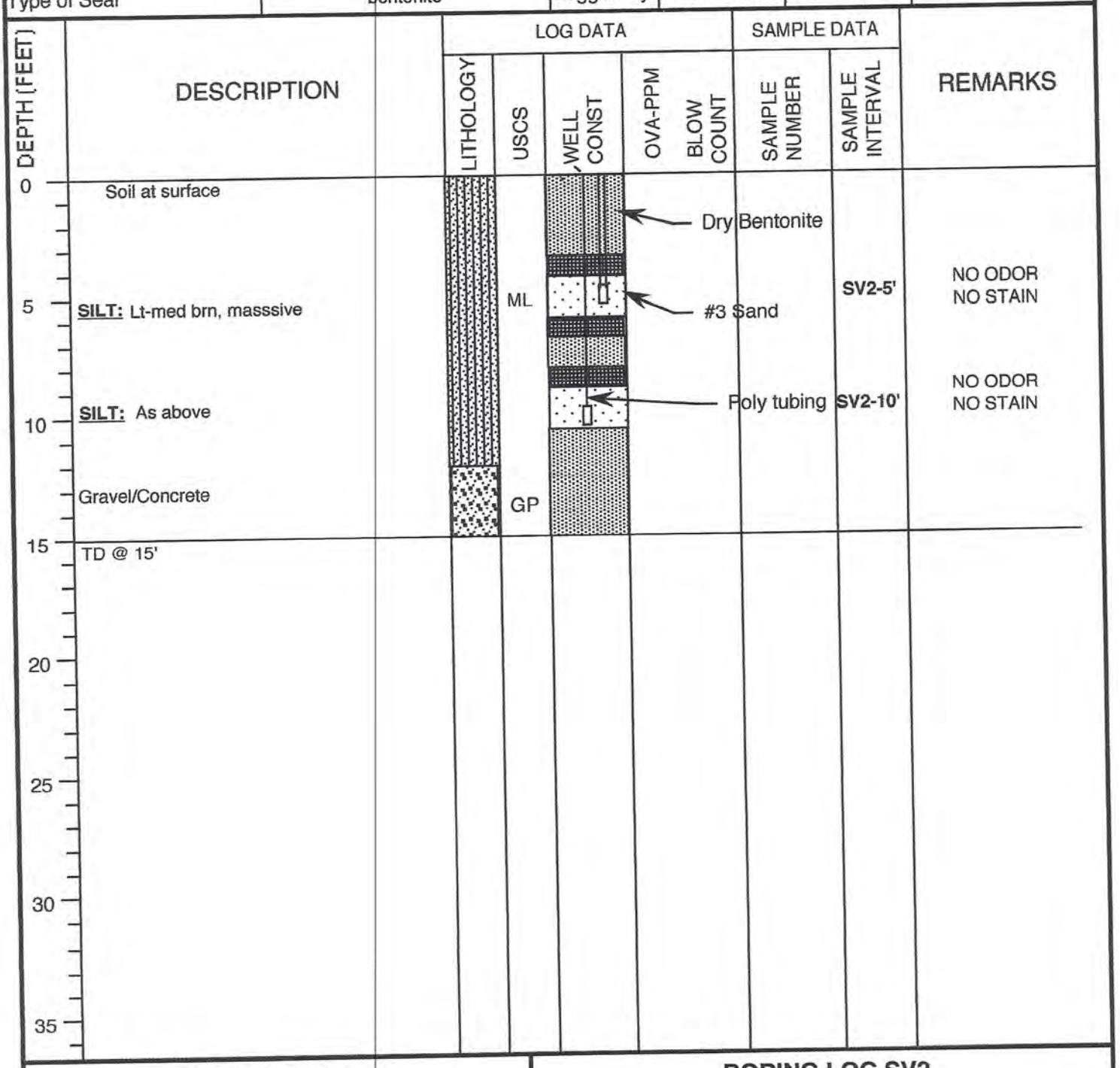
2 Total Number of Containers

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.

APPENDIX C

Boring Logs

Boring Location	SV2	Elevation or Datum	grade
Drilling Company	Gregg Drilling	Completion Depth	10 FEET
Drilling Equipment	Marl 25 DP	Number of Samples	2
Type/Diameter of Casing	NA	Water Depth at Date of Installation	NA
Type of Perforation	NA	Start Date: 2/20/20	Completion Date: 2/20/20
Type of Perforation Backfill	NA	Date Developed and Sampled	NA
Type of Seal	bentonite	Logged By: SCOTT FAGAN	Checked By: SRF

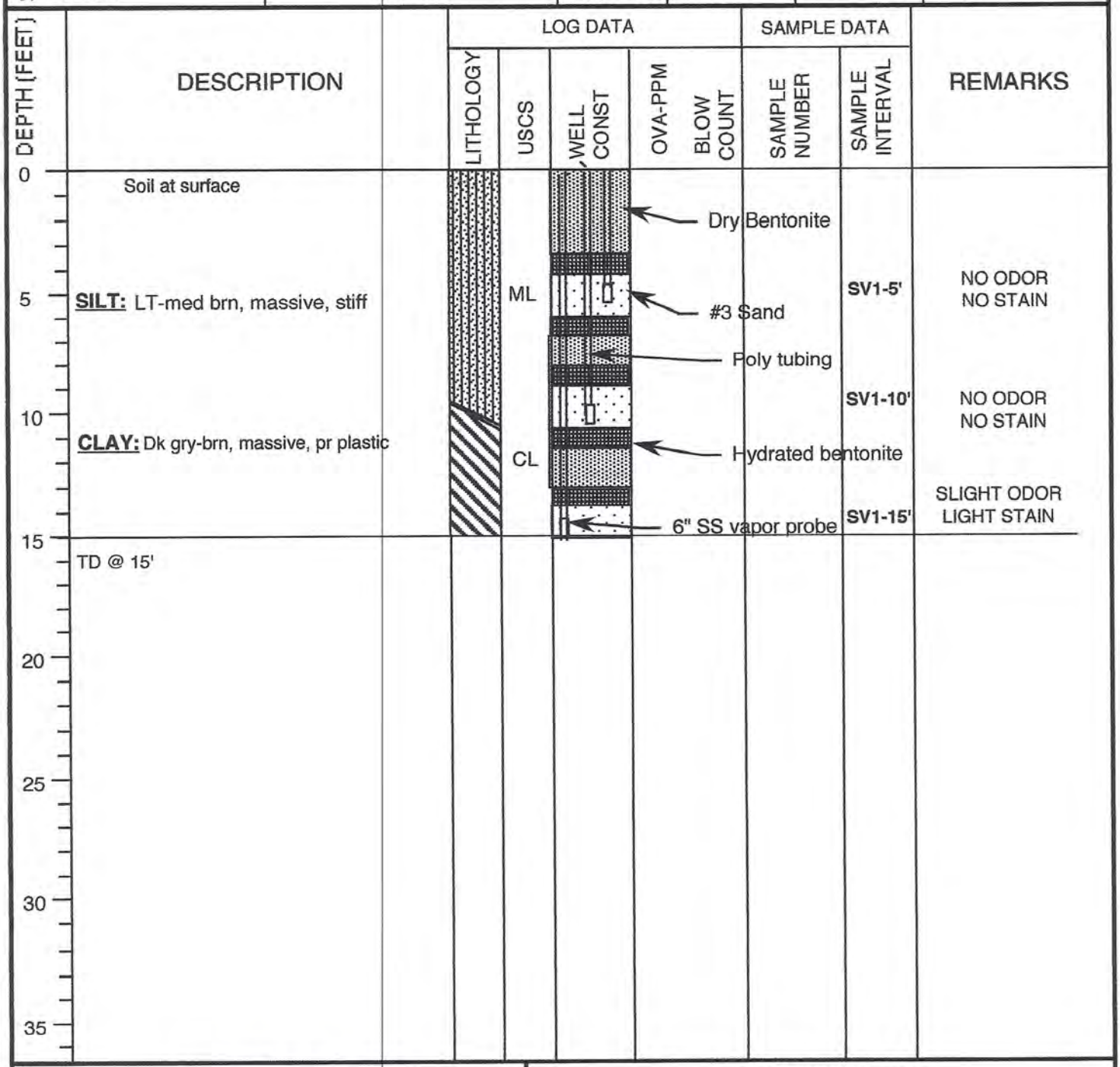


MEARNS CONSULTING CORP.

BORING LOG SV2
2750 E. 20th Street
Signal Hill, California

Project Number	Date	PM	Page
	2/20/20	SM	1

Boring Location	SV1	Elevation or Datum	grade		
Drilling Company	Gregg Drilling	Completion Depth	15 FEET		
Drilling Equipment	Marl 25 DP	Number of Samples	3		
Type/Diameter of Casing	NA	Water Depth at Date of Installation	NA		
Type of Perforation	NA	Start Date	2/20/20	Completion Date	2/20/20
Type of Perforation Backfill	NA	Date Developed and Sampled	NA		
Type of Seal	bentonite	Logged By	SCOTT FAGAN	Checked By	SRF

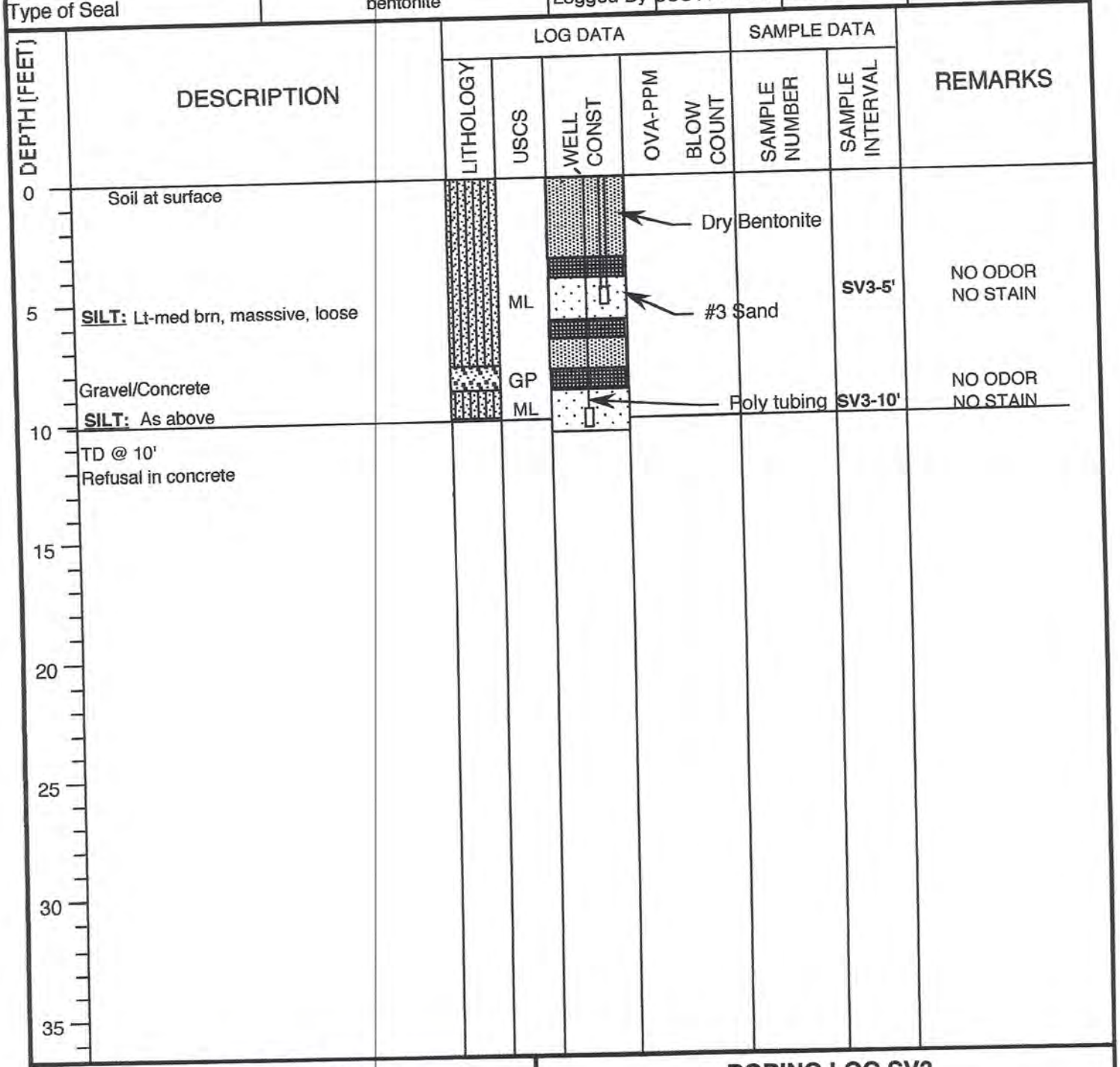


MEARNS CONSULTING CORP.

BORING LOG SV1
2750 E. 20th Street
Signal Hill, California

Project Number	Date	PM	Page
	2/20/20	SM	1

Boring Location	SV3	Elevation or Datum	grade
Drilling Company	Gregg Drilling	Completion Depth	10 FEET
Drilling Equipment	Marl 25 DP	Number of Samples	2
Type/Diameter of Casing	NA	Water Depth at Date of Installation	NA
Type of Perforation	NA	Start Date: 2/20/20	Completion Date: 2/20/20
Type of Perforation Backfill	NA	Date Developed and Sampled	NA
Type of Seal	bentonite	Logged By: SCOTT FAGAN	Checked By: SRF

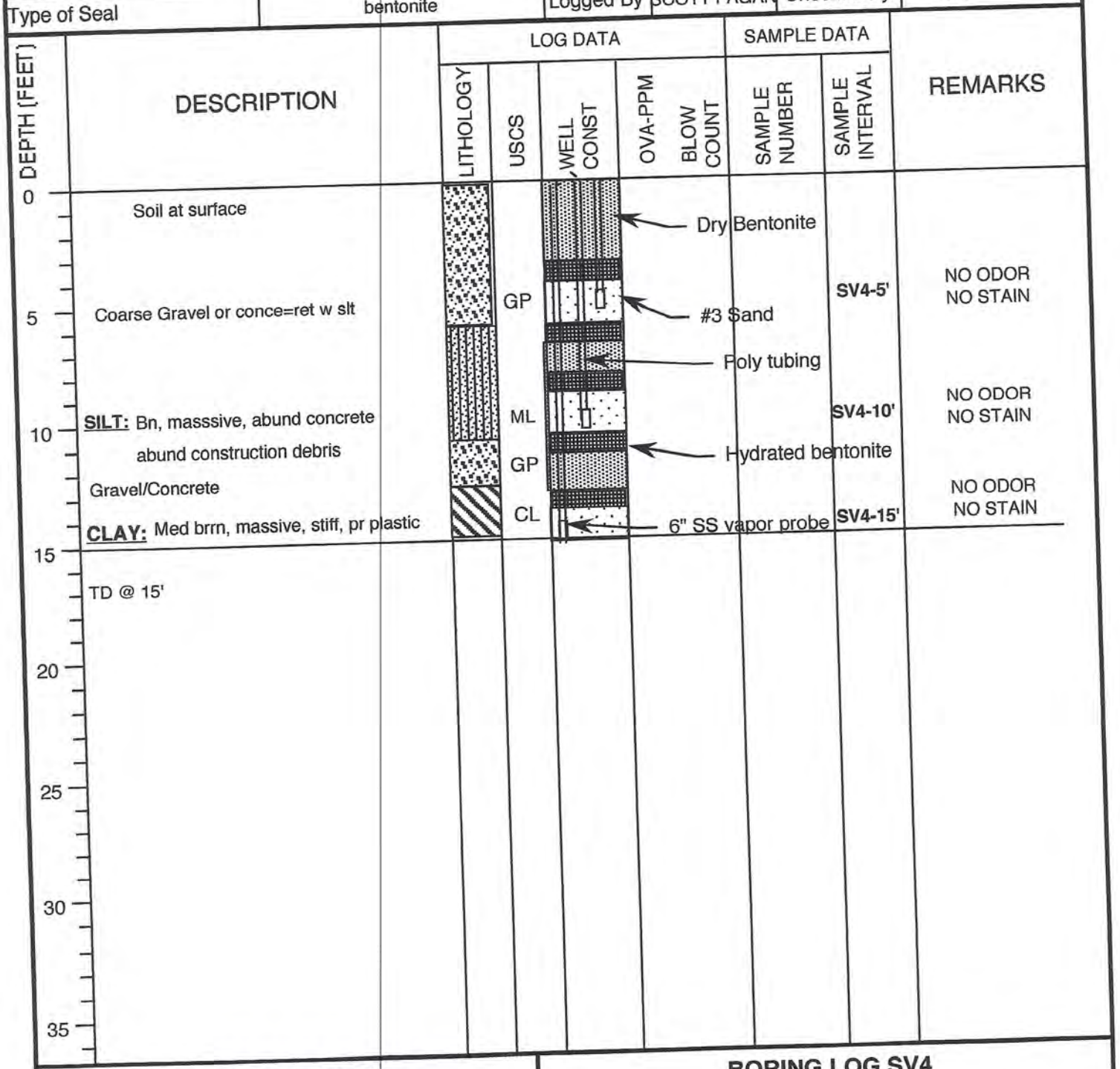


MEARNS CONSULTING CORP.

BORING LOG SV3
2750 E. 20th Street
Signal Hill, California

Project Number	Date	PM	Page
	2/20/20	SM	1

Boring Location	SV4	Elevation or Datum	grade
Drilling Company	Gregg Drilling	Completion Depth	15 FEET
Drilling Equipment	Marl 25 DP	Number of Samples	3
Type/Diameter of Casing	NA	Water Depth at Date of Installation	NA
Type of Perforation	NA	Start Date: 2/20/20	Completion Date: 2/20/20
Type of Perforation Backfill	NA	Date Developed and Sampled	NA
Type of Seal	bentonite	Logged By: SCOTT FAGAN	Checked By: SRF



MEARNS CONSULTING CORP.

BORING LOG SV4
2750 E. 20th Street
Signal Hill, California

Project Number	Date	PM	Page
	2/20/20	SM	1