

PHASE II SUBSURFACE INVESTIGATION REPORT

14800 West Schulte Road
Tracy, California 95377

July 18, 2018
Partner Project Number: 18-217440.1

Prepared for:
LBA Realty LLC
3347 Michelson Drive, Suite 200
Irvine, California 95377



July 18, 2018

Mr. Michael Tonkonogy
LBA Realty LLC
3347 Michelson Drive, Suite 200
Irvine, California 95377

Subject: Phase II Subsurface Investigation Report
14800 West Schulte Road
Tracy, California 95377
Partner Project Number: 18-217440.1

Dear Mr. Tonkonogy:

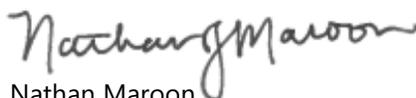
Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Debbie Stott at (310) 622-8855.

Sincerely,

Partner Engineering and Science, Inc.



Nathan Maroon
Project Scientist



Joe Mangine, PG
Project Manager



Debbie Stott, PG
Principal

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1.0 INTRODUCTION

1.1 Purpose

The purpose of the investigation was to evaluate the potential impact of petroleum hydrocarbons, volatile organic compounds (VOCs), and metals to soil as a consequence of a release or releases from the former on-site operations. LBA Realty LLC provided project authorization of Partner Proposal Number P18-217440.1.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by LBA Realty LLC (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report.

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of one parcel of land comprising approximately 38 acres located on the south side of West Schulte Road within a mixed agricultural and industrial area of San Joaquin County, California. The subject property is currently developed with a biomass energy plant, which was constructed in circa 1993, and was most recently occupied by Greenleaf Power. In addition to the industrial structures, the subject property is also improved with an aboveground oil/water separator (OWS), two storm water retention ponds, and gravel driveways.

The subject property is bound by commercial property to the north across West Schulte Road, commercial property to the east, commercial/industrial property to the south, and commercial property to the west. Refer to Figure 1 for a site plan showing site features and surrounding properties.

2.2 Site History

Partner reviewed a *Phase II Surficial Soil Sampling Report* (Phase II), dated March 7, 2014, prepared by TRC Solutions Inc. (TRC) on behalf of Akin Gump Strauss Hauer & Feld LLP. TRC performed the Phase II in support of a potential property transaction and in accordance with the authorized agreement between Greenleaf-Power LLC and TRC. The scope of the Phase II included the advancement of 10 borings for the collection of four representative composite soil samples. The samples were collected from on-site construction stockpiles, a fly ash storage pile, a bottom ash storage pile, and a white powder residue location. Various metals were detected in the soil samples collected, including arsenic, chromium, and lead. However, the Phase II results concluded that the samples collected did not appear to be hazardous. TRC recommended that if future development requires the disposal of the construction stock piles, a more rigorous sampling and analysis plan would be necessary.

2.3 Geology and Hydrogeology

Based on a review of the United States Geological Survey (USGS) *Tracy, CA* Quadrangle topographic map, the subject property is situated at an elevation approximately 120 feet above mean sea level, and the local topography is sloping gently to the west-southwest. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is located within the Great Valley geomorphic province of northern California. The Great Valley is an alluvial plain about 50 miles wide and 400 miles long in the central part of California. Its northern part is the Sacramento Valley, drained by the Sacramento River and its southern part is the San Joaquin Valley drained by the San Joaquin River. The Great Valley is a trough in which sediments have been deposited almost continuously since the Jurassic (about 160 million years ago). In the Sacramento Valley, the Sutter Buttes, the remnants of an isolated Pliocene volcano, rise above the valley floor.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of silt, sandy silt, and clayey silt from the ground surface to approximately 12 feet below ground surface (bgs).

Groundwater was not encountered during this investigation and was not a part of the scope of work. According to the State Water Resources Control Board (SWRCB) GeoTracker website for a Cleanup Program

Site (facility identification number SL0607708243) located approximately two miles northwest of the subject property, groundwater in the vicinity of the subject property is anticipated to be first encountered at a depth ranging from approximately 35 to 50 feet bgs with inferred flow direction to the northeast.

3.0 FIELD ACTIVITIES

The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of 12 borings (B1 through B12) for the collection of representative soil samples. In addition, one shallow soil sample and one four-point composite soil sample were collected. Refer to Table 1 for a summary of the borings, sampling schedule and laboratory analyses for this investigation.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

Partner delineated the work area with white spray paint and notified California Dig Alert 811 to clear public utility lines as required by law at least 48 hours prior to drilling activities. California Dig Alert issued ticket number X817302244-00X for the project.

In addition, Partner subcontracted with Ground Penetrating Radar Systems (GPRS) on June 26, 2018, to clear boring locations of utilities. GPRS systematically free-traversed each proposed boring location with a Radiodetection model RD7000 electromagnetic induction (EM) equipment unit with line-tracing capabilities, and a GSSI model SIR-3000 ground penetrating radar (GPR) unit. The equipment readouts were interpreted in real time for evidence of utility lines and/or other subsurface features of potential concern. Boring placement was modified as necessary based on the geophysical survey results to avoid damaging underground features.

3.1.2 Permitting

Prior to drilling, Partner secured Well Permit Number WP0038452 from the San Joaquin County Environmental Health Department (SJCEHD) for soil sampling. Refer to Appendix B for a copy of the permit acquired for this investigation.

3.1.3 Health and Safety Plan

Partner prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Drilling Equipment

On June 26, 2018, Partner subcontracted with Environmental Control Associates (ECA) (State of California Water Well Drilling Contractor License Number 695970) to provide and operate drilling equipment. ECA, under the direction of Partner, advanced borings B1 through B12 with a truck-mounted GeoProbe 6600 direct-push rig. Shallow soil and composite soil samples were collected using a hand trowel. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Boring Locations

Borings B1 and B2 were collected in the vicinity of the above-ground OWS. Borings B3 and B4 were advanced in the vicinity of various stored drums and 10-gallon buckets. Borings B5 and B6 were advanced

in the vicinity of various stored scrap metal and drums. Borings B7 through B9 were advanced in the vicinity where former ash piles were located. Borings B10 and B11 were advanced in the vicinity of the hydraulic lifts. Boring B12 was advanced in the northeastern portion of the storm water retention pond located in the northeastern corner of the property. The four-point composite soil sample (CS-1) was collected from the soil stockpile located on the southwestern portion of the property. The shallow soil sample (SS-1) was collected from the storm water retention pond located on the northern portion of the property.

Refer to Figure 3 for a map indicating boring locations.

3.4 Soil Sampling

Borings B1 through B4 were overlain by concrete, which was penetrated using a concrete coring attachment advanced by the direct-push drill rig. Borings B5 through B12 were unpaved and advanced by the direct-push drill rig. Borings B1 and B2 were advanced to a terminal depth of 12 feet bgs and borings B3 through B12 were advanced to a terminal depth of five feet bgs.

Soil samples were collected using a four-foot long by two-inch diameter MacroCore sampler with a four-foot long acetate liner, which was advanced by the direct push drill rig using four-foot long by 1.5-inch diameter drill rods. The sampler was driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved in four-foot intervals to recover the soil-filled liners.

Samples were prepared for laboratory analysis by cutting an approximately six-inch long section of the liner using a hacksaw. Samples were collected from the lower half of the liner using a disposable plastic syringe and retained in two sodium bisulfate-preserved volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. The remainder of the lower half of the liner was capped on either end with Teflon tape and plastic caps. The capped liners and VOA vials were labeled for identification and stored in an iced cooler. The soil in the upper half of the liner was visually inspected for discoloration, monitored for odors, classified in accordance with the Unified Soil Classification System (USCS), placed in a sealable plastic bag, and field-screened with a photoionization detector (PID) calibrated to isobutylene. None of the soil samples appeared to exhibit discoloration and/or an odor. In addition, none of the PID readings suggested the presence of elevated volatile organics concentrations.

Soil samples were collected from borings B1 and B2 at two, five, eight, and 12 feet bgs and from borings B3 through B12 at two and five feet bgs.

3.5 Post-Sampling Activities

The boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

Partner collected 30 soil samples on June 26, 2018. Soil samples were stored and transported in an iced cooler under proper chain-of-custody protocol to SunStar Laboratories (SunStar), a state-certified laboratory (California Department of Public Health Environmental Laboratory Accreditation Program certificate number 2250) in the City of Lake Forest, California, for analysis on the same day. Based on field-screening results, visual observations, and/or olfactory observations, 14 soil samples were analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) in accordance with EPA Method 8015B, VOCs in accordance with EPA Method 8260B, and California Administration Manual (CAM) 17 metals in accordance with EPA method 6010B/7471A. The remaining soil samples were placed on hold at the laboratory.

4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix C and discussed below.

4.2.1 Soil Sample Analytical Results

Total petroleum hydrocarbons as diesel (TPH-d) and total petroleum hydrocarbons as motor oil (TPH-mo) were detected in two of the analyzed soil samples at concentrations above laboratory reporting limits (RLs).

None of the analyzed soil samples contained detectable concentrations of VOCs above laboratory RLs.

Various metals were detected in one or more of the analyzed soil samples at concentrations above laboratory RLs. The metals detected included arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, vanadium, and zinc. No other metals were detected in the analyzed soil samples at concentrations above laboratory RLs.

Refer to Tables 2 through 4 for a summary of the soil sample TPH-cc, VOCs, and CAM 17 Metals laboratory analysis results, respectively.

5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

Regional Water Quality Control Board (RWQCB) February 2016 Environmental Screening Levels

The San Francisco Bay RWQCB has established Environmental Screening Levels (ESLs) as an initial screening level evaluation. ESLs aid in assessing the potential threats to human health, terrestrial/aquatic habitats, and/or drinking water resources due to contaminants in soil, soil gas, and/or groundwater. Under most circumstances, the presence of impacts below applicable ESLs can be assumed to not pose a significant, chronic (i.e., long-term) adverse risk to the applicable receptor of concern. Conversely, sites that exceed ESLs generally require further evaluation and/or remediation. Please note that the ESLs were developed using default assumptions (e.g., standard exposure factors) and, consequently, are only meant for screening level assessments. The ESLs should not be considered enforceable regulatory standards. Cleanup levels are ultimately dependent on site-specific factors and are established by the regulatory agencies on a case-by-case basis.

5.2 Discussion

No TPH-cc and/or VOCs were detected in the analyzed soil samples at concentrations exceeding respective commercial ESLs.

Arsenic was detected in soil sample B7-2.5 at a concentration of 25 milligrams per kilogram (mg/kg), which exceeds both the commercial ESL of 0.31 mg/kg and the background concentration of 12 mg/kg.

Copper was detected in soil samples B2-8, B7-2.5, and SS-1 at concentrations of 150, 120, and 81 mg/kg, respectively. Each of these detections exceed the background concentration of 48 mg/kg, but are below the commercial ESL of 47,000 mg/kg.

Lead was detected in soil samples B7-2.5 and SS-1 at concentrations of 66 and 39 mg/kg, respectively. Each of these detections exceed the background concentration of 37.7 mg/kg, but are below the commercial ESL of 320 mg/kg.

Molybdenum was detected in soil sample SS-1 at a concentration of 29 mg/kg, which exceeds the background concentration of 2.8 mg/kg but is below the commercial ESL 5,800 mg/kg.

Zinc was detected in soil samples B7-2.5 and SS-1 at concentrations of 300 and 190 mg/kg, respectively. Each of these detections exceed the background concentration of 181 mg/kg but are below the commercial ESL of 350,000 mg/kg.

No other metals were detected in the analyzed soil samples at concentrations exceeding commercial ESLs and/or background concentrations for typical California soils as based on the Kearney Foundation of Soil Science March 1996 report titled *Background Concentrations of Trace and Major Elements in California Soils*.

Based on the results, there is evidence of various metals impacts to shallow soil beneath the subject property. Based on available data, none of the detected metals exceed California CCR Title 22 criteria indicating that the soil would be considered a hazardous waste. However, if the soil is to be moved offsite, additional sampling would be required to confirm whether the soil meets criteria acceptable for reuse or requires special handling and disposal. There is also evidence of residual TPH-d and TPH-mo in soil beneath

the subject property; however, these detections are below regulatory screening criteria and therefore do not appear to represent a significant threat to human health or the environment.

5.3 Summary and Conclusions

Partner conducted a Phase II Subsurface Investigation at the subject property to investigate the potential impact of petroleum hydrocarbons, VOCs, and metals to soil as a consequence of a release or releases from the former on-site operations. The scope of the Phase II Subsurface Investigation included a geophysical survey, the advancement of 12 soil borings, and the collection of one shallow soil sample and one four-point composite soil sample. A total of 14 soil samples were analyzed for TPH-cc, VOCs, and CAM 17 Metals.

Subsurface lithology encountered in the upper 12 feet bgs consisted predominately of sandy silt, silt, and clayey silt with various amounts of small gravel. Groundwater was not encountered during this investigation and was not a part of the scope of work.

Based on the results, there is evidence of various metals impacts to shallow soil beneath the subject property. Based on available data, none of the detected metals exceed California CCR Title 22 criteria indicating that the soil would be considered a hazardous waste. However, if the soil is to be moved offsite, additional sampling would be required to confirm whether the soil meets criteria acceptable for reuse or requires special handling and disposal. There is also evidence of residual TPH-d and TPH-mo in soil beneath the subject property; however, these detections are below regulatory screening criteria and therefore do not appear to represent a significant threat to human health or the environment.

There are no issues that would require remediation. The constituents of the ash pile may be considered hazardous if it is moved offsite. If feasible, the soil in this area could be mixed with onsite soil and reused onsite.

Partner recommends no further investigation with respect to the former on-site operations at this time. However, Partner recommends the implementation of a soil management plan (SMP) during future redevelopment activities so that potentially impacted soils are handled correctly and transported to an appropriate disposal facility, if needed.

TABLES

Table 1: Summary of Investigation Scope
14800 West Schulte Road
Tracy, California 95377
Partner Project Number 18-217440.1
June 2018

Boring Identification	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths* (feet bgs)	Target Analytes
B1	Oil/Water Separator	12	Soil	2, 5, 8 , 12	TPH-cc, VOCs, Metals
B2	Oil/Water Separator	12	Soil	2, 5, 8, 12	TPH-cc, VOCs, Metals
B3	Drum Area	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B4	Drum Area	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B5	Scrap Metal and Drum Area	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B6	Scrap Metal and Drum Area	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B7	Former Ash Piles	3	Soil	2 , 5	TPH-cc, VOCs, Metals
B8	Former Ash Piles	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B9	Former Ash Piles	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B10	Hydraulic Lifts	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B11	Hydraulic Lifts	5	Soil	2 , 5	TPH-cc, VOCs, Metals
B12	Stormwater Retention Pond	5	Soil	2 , 5	TPH-cc, VOCs, Metals
CS-1	Soil Stockpile	0.5	Soil	2 , 5	TPH-cc, VOCs, Metals
SS-1	Stormwater Retention Pond	1	Soil	1	TPH-cc, VOCs, Metals

Notes:

*Depths in **bold** analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) in accordance with United States Environmental Protection Agency (EPA) Method 8015B, volatile organic compounds (VOCs) in accordance with EPA Method 8260B, and California Administration Manual (CAM) 17 metals in accordance with EPA Method 6010B/7471A.

bgs = below ground surface

Table 2: Soil Sample TPH-cc Laboratory Results
14800 West Schulte Road
Tracy, California 95377
Partner Project Number 18-217440.1
June 2018

EPA Method	TPH-cc via 8015B		
Units	mg/kg		
Sample Identification	TPH-g	TPH-d	TPH-o
B1-12	< 10	< 10	< 10
B2-8	< 10	< 10	88
B3-2	< 10	< 10	< 10
B4-2	< 10	46	< 10
B5-2	< 10	17	65
B6-2	< 10	< 10	< 10
B7-2.5	< 10	< 10	< 10
B8-2	< 10	< 10	< 10
B9-2	< 10	< 10	< 10
B10-2	< 10	< 10	< 10
B11-2	< 10	< 10	< 10
B12-2	< 10	< 10	< 10
CS-1	< 10	< 10	< 10
SS-1	< 10	23	130
Commercial ESL	3,900	1,100	140,000

Notes:

EPA = United States Environmental Protection Agency

TPH-cc = carbon chain total petroleum hydrocarbons

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TPH-o = total petroleum hydrocarbons as motor oil

mg/kg = milligrams per kilogram

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - Fel exposure scenario for commercial/industrial uses, Table S-1

< = not detected at or above indicated laboratory reporting limits (RLs)

Values in **bold** exceed laboratory RLs

Table 3: Soil Sample VOCs Laboratory Results
 14800 West Schulte Road
 Tracy, California 95377
 Partner Project Number 18-217440.1
 June 2018

EPA Method	VOCs via 8260B				
Units	mg/kg				
Sample Identification	Benzene	Toluene	Ethylbenzene	Xylenes	Other VOCs
B1-12	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B2-8	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B3-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B4-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B5-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B6-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B7-2.5	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B8-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B9-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B10-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B11-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
B12-2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
CS-1	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
SS-1	< 0.0050	< 0.0050	< 0.0050	< 0.0050	ND
Commercial ESL	1.0	4,600	22	2,400	NA

Notes:

EPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

mg/kg = milligrams per kilogram

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - February, 2016), shallow soil direct exposure scenario for commercial/industrial uses, Table S-1

< = not detected at or above indicated laboratory Reporting Limit (RL)

NA = not applicable

ND = not detected at or above laboratory RLs

Table 4: Soil Sample CAM 17 Metals Laboratory Results
14800 West Schulte Road
Tracy, California 95377
Partner Project Number 18-217440.1
June 2018

EPA Method	CAM 17 Metals via 6010B/7471A											
Units	(mg/kg)											
Sample Identification	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Vanadium	Zinc	Mercury	Other Metals
B1-12	5.5	140	21	11	20	< 3.0	< 5.0	27	46	44	< 0.10	ND
B2-8	8.4	190	39	7.7	150	33	< 5.0	30	36	120	< 0.10	ND
B3-2	6.2	200	21	13	20	< 3.0	< 5.0	29	53	43	< 0.10	ND
B4-2	5.7	160	19	11	18	< 3.0	< 5.0	27	44	38	< 0.10	ND
B5-2	< 5.0	100	15	11	15	< 3.0	< 5.0	21	34	29	< 0.10	ND
B6-2	< 5.0	180	21	11	21	< 3.0	< 5.0	28	49	48	< 0.10	ND
B7-2.5	25	220	30	6.8	120	66	< 5.0	23	36	300	0.33	ND
B8-2	< 5.0	150	16	9.7	17	< 3.0	< 5.0	23	40	31	< 0.10	ND
B9-2	< 5.0	150	18	7.3	19	< 3.0	< 5.0	23	41	35	< 0.10	ND
B10-2	6.9	84	22	11	25	< 3.0	< 5.0	29	55	49	< 0.10	ND
B11-2	< 5.0	160	19	12	21	< 3.0	< 5.0	28	52	35	< 0.10	ND
B12-2	7.1	74	23	14	21	< 3.0	< 5.0	34	55	42	< 0.10	ND
CS-1	6.3	130	22	11	22	< 3.0	< 5.0	32	55	46	< 0.10	ND
SS-1	10	99	21	4.3	81	39	29	17	27	190	< 0.10	ND
Background Concentrations*	12**	299 - 719	0 - 345	5.7 - 24.1	9.4 - 48	10.1 - 37.7	0 - 2.8	0 - 137	59 - 165	117 - 181	0.05 - 0.47	NA
Commercial ESL	0.31	220,000	1,800,000	350	47,000	320	5,800	11,000	600,000	350,000	190	NA

Notes:

*From Kearney Foundation of Soil Science March 1996 report *Background Concentrations of Trace and Major Elements in California Soils*. Background concentrations of metals are considered to be within one standard deviation from the mean metal concentrations determined by the study. Concentrations indicated in milligrams per kilogram (mg/kg).

**From Department of Toxic Substance Control (DTSC) March 2008 report *Determination of a Southern California Regional Background Arsenic Concentration in Soil*.

EPA = United States Environmental Protection Agency

CAM = California Administrative Manual

ESL = Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board - February, 2016) for evaluation of shallow soil direct exposure scenario or commercial/industrial uses, Table S-1

< = not detected above indicated laboratory Reporting Limits (RLs)

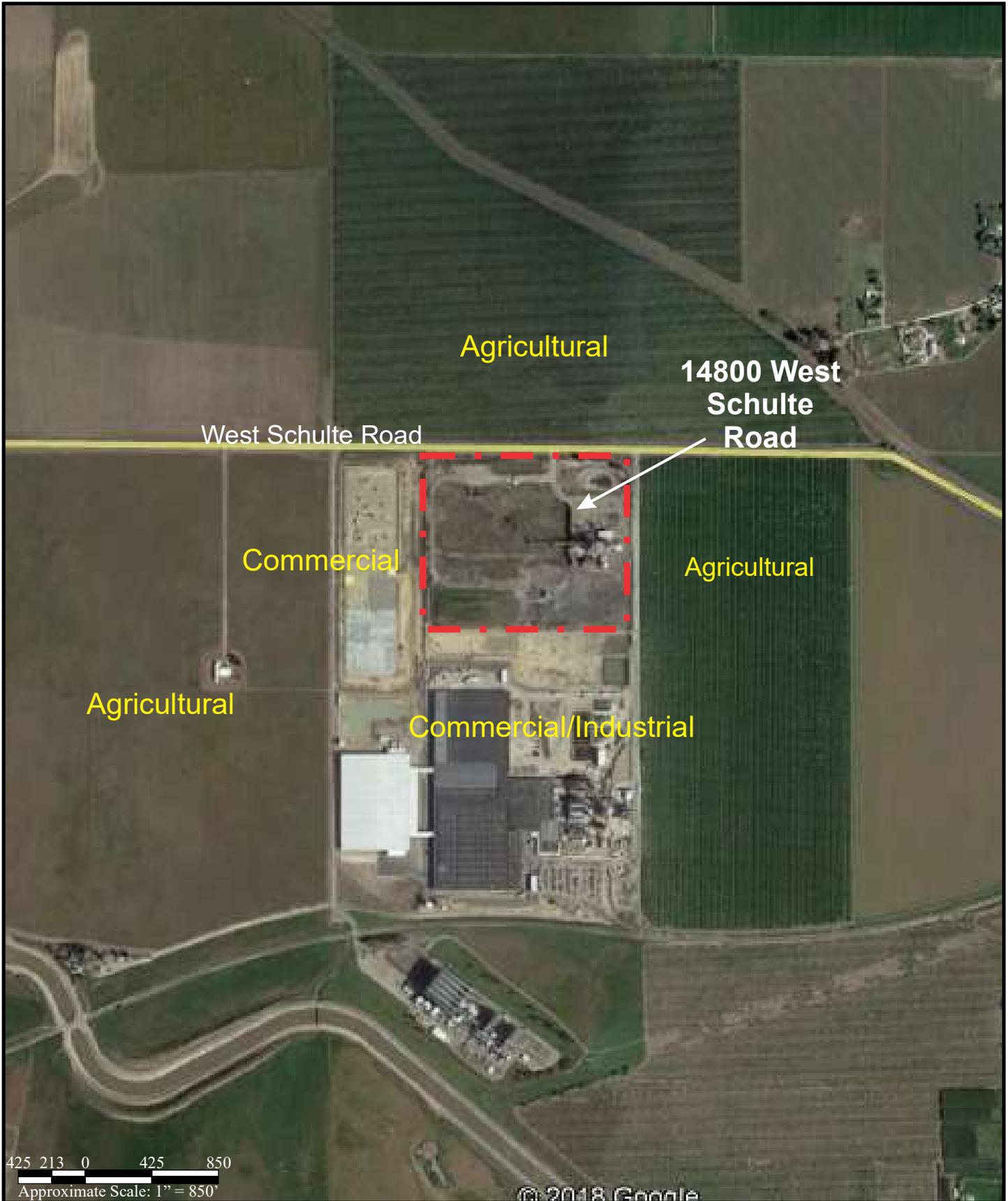
ND = not detected at or above laboratory RL. See analytical report for respective RLs.

Values in **bold** exceed laboratory RLs

Highlighted values exceed the regulatory guideline and/or background concentration

FIGURES

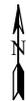
PARTNER



425 213 0 425 850
 Approximate Scale: 1" = 850'

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PARTNER
 Engineering and Science, Inc.
 2154 Torrance Boulevard, Suite 200
 Torrance, California 90501
 Project Number: 18-217440.1



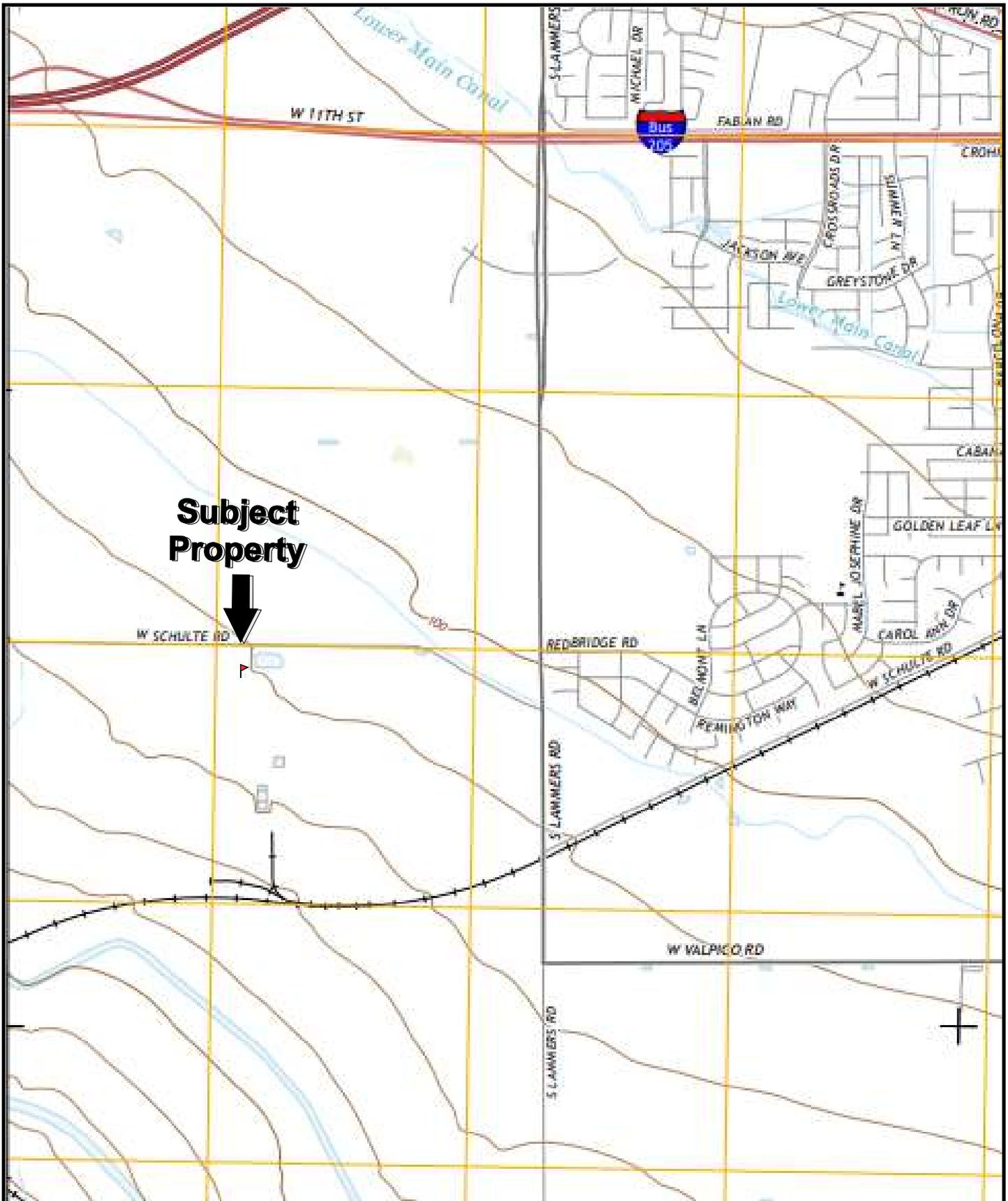
Subject Site

Legend



Site Plan

Figure	Prepared By	Date
1	N. Maroon	June 2018
14800 West Schulte Road Tracy, California 95377		



PARTNER
 Engineering and Science, Inc.
 2154 Torrance Boulevard, Suite 200
 Torrance, California 90501
 Project Number: 18-217440.1



USGS Tracy, CA Quadrangle
 Version: 2015 Current as of: 2015

Topographic Map

Figure	Prepared By	Date
2	N. Maroon	June 2018
14800 West Schulte Road Tracy, California 95377		



PARTNER
 Engineering and Science, Inc.
 1017 22nd Avenue, Suite 107
 Oakland, California 94606
 Project Number: 18-217440.1

Legend

<p>Subject Site </p> <p>Boring Location </p> <p>Composite Sample Location </p>	<p></p>
---	--

Sample Location Map		
Figure	Prepared By	Date
3	N. Maroon	June 2018
14800 West Schulte Road Tracy, California 95377		

APPENDIX A: BORING LOGS

Boring Number:		B1		Page 1 of 1	
Location:		Adjacent to Oil-Water Separator; North		Date Started:	6/26/2018
Site Address:		14800 West Schulte Road		Date Completed:	6/26/2018
		Tracy, California 95377		Depth to Groundwater:	NA
Project Number:		18-217440.1		Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push		Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel		1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches		Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes
1					Three-inch concrete cover
2	B1-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft	
3					
4					
5	B1-5	0.0	ML	Clayey SILT: dark brown, dry, medium soft, slight plasticity	
6					
7					
8	B1-8	0.1	ML	SILT with trace small gravel: brown, dry, soft	
9					
10					
11					
12	B1-12	0.0	ML	Sandy SILT with trace small gravel: brown, dry, stiff	Boring terminated at 12 feet bgs
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Boring Number:		B2		Page 1 of 1	
Location:		Adjacent to Oil-Water Separator; South		Date Started:	6/26/2018
Site Address:		14800 West Schulte Road		Date Completed:	6/26/2018
		Tracy, California 95377		Depth to Groundwater:	NA
Project Number:		18-217440.1		Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push		Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel		1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches		Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes
1					Three-inch concrete cover
2	B2-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft	
3					
4					
5	B2-5	0.0	ML	Clayey SILT: dark brown, dry, medium soft, slight plasticity	
6					
7					
8	B2-8	0.1	ML	SILT with trace small gravel: brown, dry, soft	
9					
10					
11					
12	B2-12	0.0	ML	Sandy SILT with trace small gravel: brown, dry, stiff	Boring terminated at 12 feet bgs
13					
14					
15					
16					
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18					
19					
20					
21					
22					
23					
24					
25					

Boring Number:		B3			Page 1 of 1	
Location:		In Vicinity of Drums and Various 10-gallon Buckets			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Three-inch concrete cover	
2	B3-2	0.0	ML	SILT: brown, dry, medium soft		
3						
4						
5	B3-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
7						
8						
9						
10						
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24						
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Boring Number:		B4		Page 1 of 1	
Location:		In Vicinity of Drums and Various 10-gallon Buckets		Date Started:	6/26/2018
Site Address:		14800 West Schulte Road		Date Completed:	6/26/2018
		Tracy, California 95377		Depth to Groundwater:	NA
Project Number:		18-217440.1		Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push		Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel		1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches		Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes
1					Three-inch concrete cover
2	B4-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft	
3					
4					
5	B4-5	0.0	ML	SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs
6					
7					
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25					

Boring Number:		B5			Page 1 of 1	
Location:		In Vicinity of Scrap Metal and Drums; North			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B5-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft		
3						
4						
5	B5-5	0.0	ML	SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
7						
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Boring Number:		B6			Page 1 of 1	
Location:		In Vicinity of Former Ash Piles			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B6-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft		
3						
4						
5	B6-5	0.0	ML	Sandy SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
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Boring Number:		B7			Page 1 of 1	
Location:		In Vicinity of Former Ash Piles			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B7-2	0.0	ML	SILT: brown, dry, medium soft		
3						
4						
5	B7-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
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Boring Number:		B8			Page 1 of 1	
Location:		In Vicinity of Former Ash Piles			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B8-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft		
3						
4						
5	B8-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
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Boring Number:		B9		Page 1 of 1	
Location:		In Vicinity of Scrap Metal and Drums; South		Date Started:	6/26/2018
Site Address:		14800 West Schulte Road		Date Completed:	6/26/2018
		Tracy, California 95377		Depth to Groundwater:	NA
Project Number:		18-217440.1		Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push		Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel		1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches		Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes
1					Unpaved
2	B9-2	0.0	ML	SILT with trace small gravel: brown, dry, medium soft,	
3					
4					
5	B9-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs
6					
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Boring Number:		B10			Page 1 of 1	
Location:		In Vicinity of Hydraulic Lift; West			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B10-2	0.0	ML	SILT: brown, dry, medium soft		
3						
4						
5	B10-5	0.0	ML	Sandy SILT with trace small gravel: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
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Boring Number:		B11			Page 1 of 1	
Location:		In Vicinity of Hydraulic Lift; East			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B11-2	0.0	ML	Sandy SILT with trace small gravel: brown, dry, medium soft		
3						
4						
5	B11-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
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Boring Number:		B12			Page 1 of 1	
Location:		Stormwater Retention Pond; Northeast			Date Started:	6/26/2018
Site Address:		14800 West Schulte Road			Date Completed:	6/26/2018
		Tracy, California 95377			Depth to Groundwater:	NA
Project Number:		18-217440.1			Field Technician:	N. Maroon
Drill Rig Type:		Track-Mounted GeoProbe 7822DT Direct-Push			Partner Engineering and Science	
Sampling Equipment:		Acetate Liner, VOAs, Four-Ounce Jars, Hand Trowel			1017 22nd Avenue, Suite 107	
Borehole Diameter:		2.5 inches			Oakland, California 94606	
Depth	Sample	PID	USCS	Description	Notes	
1					Unpaved	
2	B12-2	0.0	ML	SILT: brown, dry, medium soft		
3						
4						
5	B12-5	0.0	ML	Clayey SILT: brown, dry, medium soft, slight plasticity	Boring terminated at five feet bgs	
6						
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APPENDIX B: PERMIT



SITE MITIGATION WELL & BORING PERMIT APPLICATION
For Wells and Borings Used for Contaminant Investigations and Remediation

NON-REFUNDABLE PERMIT EXPIRES 1 YEAR FROM DATE ISSUED
48 Hours Advance Notice Required For All Inspections

Application is hereby made to San Joaquin County for a permit to construct and/or install the work described.
This application is made in compliance with San Joaquin County Development Title, Chapter 9-1115.3, and the San Joaquin County Well Standards.

Job Address 14800 West Schulte Road City/State/Zip Tracy, CA 95377 Phone 510-410-1009
 Cross Street South Lammers Road APN 209-240-23
 Property Owner* Rob Pennington Phone 916-596-2511
 Address 2600 Capitol Avenue, Suite 430 City/State/Zip Sacramento, CA 95816
 C-57 Contractor Environmental Control Associates, Inc. License# 695970 Phone 831-662-8178
 Address 3011 Twin Palms Drive City/State/Zip Aptos, CA 95003
 Consultant/Sub-Contractor Partner ESI License# _____ Phone 510-410-1009
 Address 1017 22nd Ave, Suite 107 City/State/Zip Oakland, CA 94606

CONSTRUCTION WORK TO BE PERFORMED: *Note: Offsite Borings/Wells Require Access Agreements or Encroachment Permits

TYPE OF WELL/BORING	NUMBER	INSTALLATION TYPE	CONSTRUCTION SPECIFICATIONS
<input type="checkbox"/> MONITORING		<input type="checkbox"/> HOLLOW STEM	BORING DEPTH 10 to 5', 2 to 1 <input type="checkbox"/> BOLTED TRAFFIC BOX <input type="checkbox"/> STOVE PIPE
<input type="checkbox"/> EXTRACTION (Vapor/Water)		<input type="checkbox"/> HAMMER/DRIVEN	DIA. OF BOREHOLE 2.5'' <input type="checkbox"/> MULTIPLE CASINGS <input type="checkbox"/> MULTI-LEVEL WELL CASING DIA _____
<input type="checkbox"/> SOIL VAPOR PROBE		<input type="checkbox"/> MUD ROTARY	CASING THICKNESS _____ TYPE OF CASING: <input type="checkbox"/> STEEL <input type="checkbox"/> PVC <input type="checkbox"/> OTHER _____
<input checked="" type="checkbox"/> SOIL BORING	<u>12</u>	<input type="checkbox"/> PUSH POINT (GP/ CPT)	CONDUCTOR CASING <input type="checkbox"/> Yes <input type="checkbox"/> No Boring Dia: _____ Casing Dia: _____ Casing Depth: _____
<input type="checkbox"/> INJECTION (Air Sparge, Ozone)		<input type="checkbox"/> HAND AUGER	GROUT SEAL DEPTH _____ TREMIE TYPE TO BE USED: <input type="checkbox"/> AUGERS <input type="checkbox"/> HOSE <input type="checkbox"/> PIPE
<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER Direct- Push	GROUT SEAL PUMPED? <input type="checkbox"/> Yes <input type="checkbox"/> No (Note: Maximum Freefall Depth is 30 Ft)
WELL/ SOIL BORING IDS	<u>B1 through B12</u>		

DESTRUCTION WORK TO BE PERFORMED:

DESTRUCTION METHOD: (CHECK ALL THAT APPLY)

WELLS TO BE DESTROYED _____ DIAMETER of _____ inches to depth of _____ feet
 WELL IDS _____ OVER-BORE To depth of _____ feet below surface
 GROUT SPECIFICATIONS _____ PRESSURE GROUT From _____ to _____ feet below surface
 TREMIE TYPE TO BE USED AUGERS HOSE PIPE EXPLOSIVES MUSHROOM CAP 3 feet below surface or _____ feet below surface if >3 feet

COMMENTS: Advance 10 borings to five feet bgs and two borings to 12 feet bgs for soil sampling only.

I hereby certify that I am authorized to complete this application and that the work will be done in accordance with San Joaquin County Ordinance Codes and Standards, and all other applicable California laws.

Signed Nathan Maroon Title/Company Project Scientist / Partner ESI
 Print Name Nathan Maroon Date 6/12/18

DEPARTMENT USE ONLY

Application Accepted By: [Signature] Date Issued: 6/19/18
 Grout Inspection By/Dates: _____
 Destruction Inspection By/Dates: _____

Facility/Site Information

FA Name	FA Address	FA#	0024687	PR#	0543490
FA PE	2950	WP Reviewed By	LX	Work Plan Date	6/12/18
<input type="checkbox"/> C-57 <input checked="" type="checkbox"/> C-57 Authorization for Other to Sign Permit <input type="checkbox"/> Worker's Comp <input type="checkbox"/> Worker's Comp Waiver <input type="checkbox"/> Encroachment Permit <input type="checkbox"/> Access Agreement <input type="checkbox"/> Lead Agency Approval <input checked="" type="checkbox"/> MFR					
COMMENTS/CONDITIONS: <u>Investigative derived waste shall be containerized and disposed.</u>					

WP TYPE	PE	SC	FEE INFO	AMT REMITTED	CHECK#	REC'D BY	DATE	WELL PERMIT#	INVOICE#
Permit	2905	313	\$152 x 3	\$456	7963343	LX	6/19/18	WP0088462	

WP 2905 523 \$152x3 \$456 7963343 LX 6/19/18 SP0079293

APPENDIX C: LABORATORY ANALYTICAL REPORT



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

28 June 2018

Joe Mangine
Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
Oakland, CA 94606
RE: 14800 W. Schulte Rd.

Enclosed are the results of analyses for samples received by the laboratory on 06/27/18 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alexandra Huerta
Project Manager Assistant



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 1-12	T182067-04	Soil	06/26/18 09:00	06/27/18 10:30
B 2-8	T182067-07	Soil	06/26/18 10:00	06/27/18 10:30
B 3-2	T182067-09	Soil	06/26/18 10:30	06/27/18 10:30
B 4-2	T182067-11	Soil	06/26/18 11:08	06/27/18 10:30
B 5-2	T182067-13	Soil	06/26/18 11:40	06/27/18 10:30
B 6-2	T182067-15	Soil	06/26/18 12:10	06/27/18 10:30
B 7-2.5	T182067-17	Soil	06/26/18 12:40	06/27/18 10:30
B 8-2	T182067-18	Soil	06/26/18 13:00	06/27/18 10:30
B 9-2	T182067-20	Soil	06/26/18 13:30	06/27/18 10:30
B 10-2	T182067-22	Soil	06/26/18 14:15	06/27/18 10:30
B 11-2	T182067-24	Soil	06/26/18 15:00	06/27/18 10:30
B 12-2	T182067-26	Soil	06/26/18 15:30	06/27/18 10:30
CS-1	T182067-28	Soil	06/26/18 16:00	06/27/18 10:30
SS-1	T182067-29	Soil	06/26/18 16:20	06/27/18 10:30

SunStar Laboratories, Inc.

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.

Alexandra Huerta, Project Manager Assistant

Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
Oakland CA, 94606

Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

DETECTIONS SUMMARY

Sample ID: B 1-12

Laboratory ID: T182067-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	5.5	5.0		mg/kg	EPA 6010B	
Barium	140	1.0		mg/kg	EPA 6010B	
Chromium	21	2.0		mg/kg	EPA 6010B	
Cobalt	11	2.0		mg/kg	EPA 6010B	
Copper	20	1.0		mg/kg	EPA 6010B	
Nickel	27	2.0		mg/kg	EPA 6010B	
Vanadium	46	5.0		mg/kg	EPA 6010B	
Zinc	44	1.0		mg/kg	EPA 6010B	

Sample ID: B 2-8

Laboratory ID: T182067-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	88	10		mg/kg	EPA 8015B	
Arsenic	8.4	5.0		mg/kg	EPA 6010B	
Barium	190	1.0		mg/kg	EPA 6010B	
Chromium	39	2.0		mg/kg	EPA 6010B	
Cobalt	7.7	2.0		mg/kg	EPA 6010B	
Copper	150	1.0		mg/kg	EPA 6010B	
Lead	33	3.0		mg/kg	EPA 6010B	
Nickel	30	2.0		mg/kg	EPA 6010B	
Vanadium	36	5.0		mg/kg	EPA 6010B	
Zinc	120	1.0		mg/kg	EPA 6010B	

Sample ID: B 3-2

Laboratory ID: T182067-09

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	6.2	5.0		mg/kg	EPA 6010B	
Barium	200	1.0		mg/kg	EPA 6010B	
Chromium	21	2.0		mg/kg	EPA 6010B	
Cobalt	13	2.0		mg/kg	EPA 6010B	
Copper	20	1.0		mg/kg	EPA 6010B	

SunStar Laboratories, Inc.

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.



Alexandra Huerta, Project Manager Assistant

Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
Oakland CA, 94606

Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

Sample ID: B 3-2

Laboratory ID: T182067-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Nickel	29	2.0	mg/kg	EPA 6010B	
Vanadium	53	5.0	mg/kg	EPA 6010B	
Zinc	43	1.0	mg/kg	EPA 6010B	

Sample ID: B 4-2

Laboratory ID: T182067-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C13-C28 (DRO)	46	10	mg/kg	EPA 8015B	
Arsenic	5.7	5.0	mg/kg	EPA 6010B	
Barium	160	1.0	mg/kg	EPA 6010B	
Chromium	19	2.0	mg/kg	EPA 6010B	
Cobalt	11	2.0	mg/kg	EPA 6010B	
Copper	18	1.0	mg/kg	EPA 6010B	
Nickel	27	2.0	mg/kg	EPA 6010B	
Vanadium	44	5.0	mg/kg	EPA 6010B	
Zinc	38	1.0	mg/kg	EPA 6010B	

Sample ID: B 5-2

Laboratory ID: T182067-13

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C13-C28 (DRO)	17	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	65	10	mg/kg	EPA 8015B	
Barium	100	0.91	mg/kg	EPA 6010B	
Chromium	15	1.8	mg/kg	EPA 6010B	
Cobalt	11	1.8	mg/kg	EPA 6010B	
Copper	15	0.91	mg/kg	EPA 6010B	
Nickel	21	1.8	mg/kg	EPA 6010B	
Vanadium	34	4.5	mg/kg	EPA 6010B	
Zinc	29	0.91	mg/kg	EPA 6010B	

Sample ID: B 6-2

Laboratory ID: T182067-15

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	180	1.0	mg/kg	EPA 6010B	

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Partner Engineering & Science, Inc.--Oakland
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Oakland CA, 94606

Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

Sample ID: B 6-2

Laboratory ID: T182067-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chromium	21	2.0		mg/kg	EPA 6010B	
Cobalt	11	2.0		mg/kg	EPA 6010B	
Copper	21	1.0		mg/kg	EPA 6010B	
Nickel	28	2.0		mg/kg	EPA 6010B	
Vanadium	49	5.0		mg/kg	EPA 6010B	
Zinc	48	1.0		mg/kg	EPA 6010B	

Sample ID: B 7-2.5

Laboratory ID: T182067-17

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	25	5.0		mg/kg	EPA 6010B	
Barium	220	1.0		mg/kg	EPA 6010B	
Chromium	30	2.0		mg/kg	EPA 6010B	
Cobalt	6.8	2.0		mg/kg	EPA 6010B	
Copper	120	1.0		mg/kg	EPA 6010B	
Lead	66	3.0		mg/kg	EPA 6010B	
Nickel	23	2.0		mg/kg	EPA 6010B	
Vanadium	36	5.0		mg/kg	EPA 6010B	
Zinc	300	1.0		mg/kg	EPA 6010B	
Mercury	0.33	0.10		mg/kg	EPA 7471A Soil	

Sample ID: B 8-2

Laboratory ID: T182067-18

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	150	1.0		mg/kg	EPA 6010B	
Chromium	16	2.0		mg/kg	EPA 6010B	
Cobalt	9.7	2.0		mg/kg	EPA 6010B	
Copper	17	1.0		mg/kg	EPA 6010B	
Nickel	23	2.0		mg/kg	EPA 6010B	
Vanadium	40	5.0		mg/kg	EPA 6010B	
Zinc	31	1.0		mg/kg	EPA 6010B	

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Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
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Sample ID: B 9-2

Laboratory ID: T182067-20

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	150	1.0		mg/kg	EPA 6010B	
Chromium	18	2.0		mg/kg	EPA 6010B	
Cobalt	7.3	2.0		mg/kg	EPA 6010B	
Copper	19	1.0		mg/kg	EPA 6010B	
Nickel	23	2.0		mg/kg	EPA 6010B	
Vanadium	41	5.0		mg/kg	EPA 6010B	
Zinc	35	1.0		mg/kg	EPA 6010B	

Sample ID: B 10-2

Laboratory ID: T182067-22

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	6.9	5.0		mg/kg	EPA 6010B	
Barium	84	1.0		mg/kg	EPA 6010B	
Chromium	22	2.0		mg/kg	EPA 6010B	
Cobalt	11	2.0		mg/kg	EPA 6010B	
Copper	25	1.0		mg/kg	EPA 6010B	
Nickel	29	2.0		mg/kg	EPA 6010B	
Vanadium	55	5.0		mg/kg	EPA 6010B	
Zinc	49	1.0		mg/kg	EPA 6010B	

Sample ID: B 11-2

Laboratory ID: T182067-24

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	160	1.0		mg/kg	EPA 6010B	
Chromium	19	2.0		mg/kg	EPA 6010B	
Cobalt	12	2.0		mg/kg	EPA 6010B	
Copper	21	1.0		mg/kg	EPA 6010B	
Nickel	28	2.0		mg/kg	EPA 6010B	
Vanadium	52	5.0		mg/kg	EPA 6010B	
Zinc	35	1.0		mg/kg	EPA 6010B	

Sample ID: B 12-2

Laboratory ID: T182067-26

Analyte	Result	Reporting		Units	Method	Notes
		Limit				

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Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

Sample ID: B 12-2

Laboratory ID: T182067-26

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	7.1	5.0		mg/kg	EPA 6010B	
Barium	74	1.0		mg/kg	EPA 6010B	
Chromium	23	2.0		mg/kg	EPA 6010B	
Cobalt	14	2.0		mg/kg	EPA 6010B	
Copper	21	1.0		mg/kg	EPA 6010B	
Nickel	34	2.0		mg/kg	EPA 6010B	
Vanadium	55	5.0		mg/kg	EPA 6010B	
Zinc	42	1.0		mg/kg	EPA 6010B	

Sample ID: CS-1

Laboratory ID: T182067-28

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Arsenic	6.3	5.0		mg/kg	EPA 6010B	
Barium	130	1.0		mg/kg	EPA 6010B	
Chromium	22	2.0		mg/kg	EPA 6010B	
Cobalt	11	2.0		mg/kg	EPA 6010B	
Copper	22	1.0		mg/kg	EPA 6010B	
Nickel	32	2.0		mg/kg	EPA 6010B	
Vanadium	55	5.0		mg/kg	EPA 6010B	
Zinc	46	1.0		mg/kg	EPA 6010B	

Sample ID: SS-1

Laboratory ID: T182067-29

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	23	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	130	10		mg/kg	EPA 8015B	
Arsenic	10	5.0		mg/kg	EPA 6010B	
Barium	99	1.0		mg/kg	EPA 6010B	
Chromium	21	2.0		mg/kg	EPA 6010B	
Cobalt	4.3	2.0		mg/kg	EPA 6010B	
Copper	81	1.0		mg/kg	EPA 6010B	
Lead	39	3.0		mg/kg	EPA 6010B	
Molybdenum	29	5.0		mg/kg	EPA 6010B	
Nickel	17	2.0		mg/kg	EPA 6010B	
Vanadium	27	5.0		mg/kg	EPA 6010B	

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Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

Sample ID: SS-1

Laboratory ID: T182067-29

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Zinc	190	1.0		mg/kg	EPA 6010B	

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B 1-12
T182067-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/27/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		91.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	5.5	5.0	"	"	"	"	"	"	
Barium	140	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	21	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	20	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	27	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	46	5.0	"	"	"	"	"	"	
Zinc	44	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 1-12
T182067-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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B 1-12
T182067-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		103 %	85.5-116		"	"	"	"	

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B 2-8
T182067-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/27/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	88	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		65.1 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	8.4	5.0	"	"	"	"	"	"	
Barium	190	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	39	2.0	"	"	"	"	"	"	
Cobalt	7.7	2.0	"	"	"	"	"	"	
Copper	150	1.0	"	"	"	"	"	"	
Lead	33	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	30	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	36	5.0	"	"	"	"	"	"	
Zinc	120	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 2-8
T182067-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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B 2-8
T182067-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.2 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		117 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	85.5-116		"	"	"	"	

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B 3-2
T182067-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		95.8 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.2	5.0	"	"	"	"	"	"	
Barium	200	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	21	2.0	"	"	"	"	"	"	
Cobalt	13	2.0	"	"	"	"	"	"	
Copper	20	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	29	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	53	5.0	"	"	"	"	"	"	
Zinc	43	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 3-2
T182067-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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B 3-2
T182067-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		101 %	85.5-116		"	"	"	"	

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B 4-2
T182067-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	46	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.9 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	5.7	5.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	19	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	27	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	44	5.0	"	"	"	"	"	"	
Zinc	38	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 4-2
T182067-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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B 4-2
T182067-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.9 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		107 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	85.5-116		"	"	"	"	

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B 5-2
T182067-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	17	10	"	"	"	"	"	"	
C29-C40 (MORO)	65	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		98.9 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	2.7	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	1.8	"	"	"	"	"	"	
Arsenic	ND	4.5	"	"	"	"	"	"	
Barium	100	0.91	"	"	"	"	"	"	
Beryllium	ND	0.91	"	"	"	"	"	"	
Cadmium	ND	1.8	"	"	"	"	"	"	
Chromium	15	1.8	"	"	"	"	"	"	
Cobalt	11	1.8	"	"	"	"	"	"	
Copper	15	0.91	"	"	"	"	"	"	
Lead	ND	2.7	"	"	"	"	"	"	
Molybdenum	ND	4.5	"	"	"	"	"	"	
Nickel	21	1.8	"	"	"	"	"	"	
Selenium	ND	4.5	"	"	"	"	"	"	
Thallium	ND	1.8	"	"	"	"	"	"	
Vanadium	34	4.5	"	"	"	"	"	"	
Zinc	29	0.91	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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B 5-2
T182067-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 5-2
T182067-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.9 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		100 %	85.5-116		"	"	"	"	

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B 6-2
T182067-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		95.2 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	180	1.0	"	"	"	"	06/28/18	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	21	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	28	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	49	5.0	"	"	"	"	"	"	
Zinc	48	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 6-2
T182067-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 6-2
T182067-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		100 %	85.5-116		"	"	"	"	

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B 7-2.5
T182067-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		88.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	25	5.0	"	"	"	"	"	"	
Barium	220	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	30	2.0	"	"	"	"	"	"	
Cobalt	6.8	2.0	"	"	"	"	"	"	
Copper	120	1.0	"	"	"	"	"	"	
Lead	66	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	23	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	36	5.0	"	"	"	"	"	"	
Zinc	300	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	0.33	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 7-2.5
T182067-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/28/18	EPA 8260B	M-02
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	M-02
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	M-02
Bromoform	ND	0.0050	"	"	"	"	"	"	M-02
Bromomethane	ND	0.0050	"	"	"	"	"	"	M-02
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	M-02
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
Chloroethane	ND	0.0050	"	"	"	"	"	"	M-02
Chloroform	ND	0.0050	"	"	"	"	"	"	M-02
Chloromethane	ND	0.0050	"	"	"	"	"	"	M-02
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	M-02
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	M-02
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	M-02
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	M-02
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	M-02
Dibromomethane	ND	0.0050	"	"	"	"	"	"	M-02
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	M-02
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	M-02
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	M-02
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	M-02
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	M-02
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	M-02
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	M-02
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	M-02
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	M-02
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	M-02

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



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 1017 22nd Ave. Suite 107
 Oakland CA, 94606

Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 7-2.5
T182067-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/28/18	EPA 8260B	M-02
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	M-02
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	M-02
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	M-02
Methylene chloride	ND	0.0050	"	"	"	"	"	"	M-02
Naphthalene	ND	0.0050	"	"	"	"	"	"	M-02
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
Styrene	ND	0.0050	"	"	"	"	"	"	M-02
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	M-02
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	M-02
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	M-02
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	M-02
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	M-02
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	M-02
Trichloroethene	ND	0.0050	"	"	"	"	"	"	M-02
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	M-02
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	M-02
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	M-02
Benzene	ND	0.0050	"	"	"	"	"	"	M-02
Toluene	ND	0.0050	"	"	"	"	"	"	M-02
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	M-02
m,p-Xylene	ND	0.010	"	"	"	"	"	"	M-02
o-Xylene	ND	0.0050	"	"	"	"	"	"	M-02
Surrogate: 4-Bromofluorobenzene		41.0 %	81.2-123		"	"	"	"	M-02
Surrogate: Dibromofluoromethane		108 %	95.7-135		"	"	"	"	M-02
Surrogate: Toluene-d8		89.5 %	85.5-116		"	"	"	"	M-02

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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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B 8-2
T182067-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		94.1 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	9.7	2.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	23	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	40	5.0	"	"	"	"	"	"	
Zinc	31	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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SunStar Laboratories, Inc.

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Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
Oakland CA, 94606

Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

B 8-2
T182067-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B
Bromochloromethane	ND	0.0050	"	"	"	"	"	"
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"
Bromoform	ND	0.0050	"	"	"	"	"	"
Bromomethane	ND	0.0050	"	"	"	"	"	"
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"
Chlorobenzene	ND	0.0050	"	"	"	"	"	"
Chloroethane	ND	0.0050	"	"	"	"	"	"
Chloroform	ND	0.0050	"	"	"	"	"	"
Chloromethane	ND	0.0050	"	"	"	"	"	"
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"
Dibromomethane	ND	0.0050	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 8-2
T182067-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		99.1 %	85.5-116		"	"	"	"	

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B 9-2
T182067-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		91.0 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	150	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	18	2.0	"	"	"	"	"	"	
Cobalt	7.3	2.0	"	"	"	"	"	"	
Copper	19	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	23	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	41	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 9-2
T182067-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 9-2
T182067-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.4 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		111 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		100 %	85.5-116		"	"	"	"	

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B 10-2
T182067-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		91.6 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.9	5.0	"	"	"	"	"	"	
Barium	84	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	22	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	25	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	29	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	55	5.0	"	"	"	"	"	"	
Zinc	49	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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B 10-2
T182067-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
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Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

B 10-2
T182067-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.9 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		98.2 %	85.5-116		"	"	"	"	

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B 11-2
T182067-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		92.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	160	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	19	2.0	"	"	"	"	"	"	
Cobalt	12	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	28	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	52	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 11-2
T182067-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 11-2
T182067-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	85.5-116		"	"	"	"	

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B 12-2
T182067-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		92.7 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	7.1	5.0	"	"	"	"	"	"	
Barium	74	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	23	2.0	"	"	"	"	"	"	
Cobalt	14	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	34	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	55	5.0	"	"	"	"	"	"	
Zinc	42	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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B 12-2
T182067-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

B 12-2
T182067-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.3 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		114 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		99.1 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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CS-1
T182067-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>94.0 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	6.3	5.0	"	"	"	"	"	"	
Barium	130	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	06/28/18	"	
Cadmium	ND	2.0	"	"	"	"	06/28/18	"	
Chromium	22	2.0	"	"	"	"	"	"	
Cobalt	11	2.0	"	"	"	"	"	"	
Copper	22	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	32	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	55	5.0	"	"	"	"	"	"	
Zinc	46	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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CS-1
T182067-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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CS-1
T182067-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/27/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		99.3 %	85.5-116		"	"	"	"	

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SS-1
T182067-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	8062721	06/27/18	06/28/18	EPA 8015B	
C13-C28 (DRO)	23	10	"	"	"	"	"	"	
C29-C40 (MORO)	130	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		69.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	8062720	06/27/18	06/28/18	EPA 6010B	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	10	5.0	"	"	"	"	"	"	
Barium	99	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	21	2.0	"	"	"	"	"	"	
Cobalt	4.3	2.0	"	"	"	"	"	"	
Copper	81	1.0	"	"	"	"	"	"	
Lead	39	3.0	"	"	"	"	"	"	
Molybdenum	29	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	27	5.0	"	"	"	"	"	"	
Zinc	190	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	8062724	06/27/18	06/27/18	EPA 7471A Soil	
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SS-1
T182067-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/28/18	EPA 8260B	
Bromochloromethane	ND	0.0050	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.010	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	"	

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SS-1
T182067-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	0.0050	mg/kg	1	8062719	06/27/18	06/28/18	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0050	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0050	"	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	"	
Trichloroethene	ND	0.0050	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
m,p-Xylene	ND	0.010	"	"	"	"	"	"	
o-Xylene	ND	0.0050	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.1 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		106 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	85.5-116		"	"	"	"	

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062721 - EPA 3550B GC

Blank (8062721-BLK1)										
										Prepared & Analyzed: 06/27/18
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	86.2		"	99.0		87.1	65-135			
LCS (8062721-BS1)										
										Prepared & Analyzed: 06/27/18
C13-C28 (DRO)	400	10	mg/kg	495		81.5	75-125			
Surrogate: p-Terphenyl	88.8		"	99.0		89.7	65-135			
LCS Dup (8062721-BSD1)										
										Prepared & Analyzed: 06/27/18
C13-C28 (DRO)	400	10	mg/kg	495		80.0	75-125	1.87	20	
Surrogate: p-Terphenyl	87.6		"	99.0		88.5	65-135			

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062720 - EPA 3050B

Blank (8062720-BLK1)

Prepared: 06/27/18 Analyzed: 06/28/18

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

LCS (8062720-BS1)

Prepared: 06/27/18 Analyzed: 06/28/18

Arsenic	100	5.0	mg/kg	100		100	75-125			
Barium	105	1.0	"	100		105	75-125			
Cadmium	103	2.0	"	100		103	75-125			
Chromium	102	2.0	"	100		102	75-125			
Lead	104	3.0	"	100		104	75-125			

Matrix Spike (8062720-MS1)

Source: T182067-04

Prepared: 06/27/18 Analyzed: 06/28/18

Arsenic	96.2	5.0	mg/kg	94.3	5.49	96.2	75-125			
Barium	271	1.0	"	94.3	139	140	75-125			QM-05
Cadmium	94.5	2.0	"	94.3	ND	100	75-125			
Chromium	120	2.0	"	94.3	20.9	105	75-125			
Lead	98.2	3.0	"	94.3	ND	104	75-125			

SunStar Laboratories, Inc.

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.

Alexandra Huerta, Project Manager Assistant



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062720 - EPA 3050B

Matrix Spike Dup (8062720-MSD1)	Source: T182067-04			Prepared: 06/27/18		Analyzed: 06/28/18				
Arsenic	100	5.0	mg/kg	99.0	5.49	95.4	75-125	3.78	20	
Barium	267	1.0	"	99.0	139	129	75-125	1.65	20	QM-05
Cadmium	99.0	2.0	"	99.0	ND	100	75-125	4.61	20	
Chromium	128	2.0	"	99.0	20.9	108	75-125	6.49	20	
Lead	103	3.0	"	99.0	ND	104	75-125	4.42	20	

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



25712 Commercentre Drive
 Lake Forest, California 92630
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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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Cold Vapor Extraction EPA 7470/7471 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062724 - EPA 7471A Soil

Blank (8062724-BLK1)				Prepared & Analyzed: 06/27/18						
Mercury	ND	0.10	mg/kg							
LCS (8062724-BS1)				Prepared & Analyzed: 06/27/18						
Mercury	0.402	0.10	mg/kg	0.403		99.6	80-120			
Matrix Spike (8062724-MS1)				Source: T182067-04		Prepared & Analyzed: 06/27/18				
Mercury	0.403	0.10	mg/kg	0.403	ND	99.9	75-125			
Matrix Spike Dup (8062724-MSD1)				Source: T182067-04		Prepared & Analyzed: 06/27/18				
Mercury	0.396	0.10	mg/kg	0.397	ND	99.8	75-125	1.66	20	

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



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Partner Engineering & Science, Inc.--Oakland
 1017 22nd Ave. Suite 107
 Oakland CA, 94606

Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062719 - EPA 5030 GCMS

Blank (8062719-BLK1)

Prepared & Analyzed: 06/27/18

Bromobenzene	ND	0.0050	mg/kg							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							
n-Butylbenzene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
2-Chlorotoluene	ND	0.0050	"							
4-Chlorotoluene	ND	0.0050	"							
Dibromochloromethane	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.010	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Dibromomethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
Dichlorodifluoromethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethene	ND	0.0050	"							
cis-1,2-Dichloroethene	ND	0.0050	"							
trans-1,2-Dichloroethene	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3-Dichloropropane	ND	0.0050	"							
2,2-Dichloropropane	ND	0.0050	"							
1,1-Dichloropropene	ND	0.0050	"							
cis-1,3-Dichloropropene	ND	0.0050	"							
trans-1,3-Dichloropropene	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



25712 Commercentre Drive
 Lake Forest, California 92630
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 949.297.5027 Fax

Partner Engineering & Science, Inc.--Oakland
 1017 22nd Ave. Suite 107
 Oakland CA, 94606

Project: 14800 W. Schulte Rd.
 Project Number: 217440.0
 Project Manager: Joe Mangine

Reported:
 06/28/18 11:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062719 - EPA 5030 GCMS

Blank (8062719-BLK1)

Prepared & Analyzed: 06/27/18

p-Isopropyltoluene	ND	0.0050	mg/kg							
Methylene chloride	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
Trichloroethene	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
m,p-Xylene	ND	0.010	"							
o-Xylene	ND	0.0050	"							
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0397		101	81.2-123			
Surrogate: Dibromofluoromethane	0.0409		"	0.0397		103	95.7-135			
Surrogate: Toluene-d8	0.0406		"	0.0397		102	85.5-116			

LCS (8062719-BS1)

Prepared & Analyzed: 06/27/18

Chlorobenzene	0.103	0.0050	mg/kg	0.0994		104	75-125			
1,1-Dichloroethene	0.0957	0.0050	"	0.0994		96.2	75-125			
Trichloroethene	0.0987	0.0050	"	0.0994		99.3	75-125			
Benzene	0.0988	0.0050	"	0.0994		99.4	75-125			
Toluene	0.101	0.0050	"	0.0994		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.0475		"	0.0398		119	81.2-123			
Surrogate: Dibromofluoromethane	0.0446		"	0.0398		112	95.7-135			
Surrogate: Toluene-d8	0.0432		"	0.0398		109	85.5-116			

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant



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Partner Engineering & Science, Inc.--Oakland 1017 22nd Ave. Suite 107 Oakland CA, 94606	Project: 14800 W. Schulte Rd. Project Number: 217440.0 Project Manager: Joe Mangine	Reported: 06/28/18 11:43
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8062719 - EPA 5030 GCMS

LCS Dup (8062719-BSD1)

Prepared & Analyzed: 06/27/18

Chlorobenzene	0.0992	0.0050	mg/kg	0.100		99.2	75-125	3.84	20	
1,1-Dichloroethene	0.105	0.0050	"	0.100		105	75-125	9.25	20	
Trichloroethene	0.102	0.0050	"	0.100		102	75-125	3.61	20	
Benzene	0.104	0.0050	"	0.100		104	75-125	4.77	20	
Toluene	0.104	0.0050	"	0.100		104	75-125	2.96	20	
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	81.2-123			
Surrogate: Dibromofluoromethane	0.0422		"	0.0400		106	95.7-135			
Surrogate: Toluene-d8	0.0411		"	0.0400		103	85.5-116			

SunStar Laboratories, Inc.

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Alexandra Huerta, Project Manager Assistant

Partner Engineering & Science, Inc.--Oakland
1017 22nd Ave. Suite 107
Oakland CA, 94606

Project: 14800 W. Schulte Rd.
Project Number: 217440.0
Project Manager: Joe Mangine

Reported:
06/28/18 11:43

Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- M-02 Multiple analysis yielded poor internal standard and/or surrogate recoveries due to matrix effect. Results reported are from the most complete recovery of internal standards, however, recoveries were not within the acceptable limits of the method.
- 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





SunStar
Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Partner EST
Address: Oakland office
Phone: (510) 410-1009 Fax: _____
Project Manager: Joe Mangione

Date: 6/26/18 Page: 1 of 2
Project Name: 14800 West Schulte Road
Collector: N. Maroon Client Project #: 18-214
Batch #: T182067 EDF #: 217440.1

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	6010B/7471A CAM 17 metals	Laboratory ID #	Comments/Preservative	Total # of containers
B1-2	6/26/18	8:15	Soil	custody pvs	X							X			X			1
B1-5		8:30										X			X			2
B1-8		8:45										X			X			1
B1-12		9:00										X			X			1
B2-2		9:30										X			X			1
B2-5		9:45										X			X			1
B2-8		10:00										X			X			1
B2-12		10:10										X			X			1
B3-2		10:30										X			X			1
B3-5		10:40										X			X			1
B4-2		11:08										X			X			1
B4-5		11:25										X			X			1
B5-2		11:40										X			X			1
B5-5		11:45										X			X			1

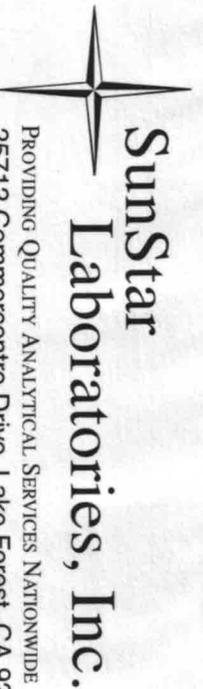
Relinquished by: (signature) _____ Date / Time 6/26/18 600
 Received by: (signature) _____ Date / Time _____
 Relinquished by: (signature) _____ Date / Time 6/27/18 1030
 Received by: (signature) _____ Date / Time 6/27/18 1030

Relinquished by: (signature) _____ Date / Time _____
 Received by: (signature) _____ Date / Time _____
 Total # of containers _____
 Chain of Custody seals Y/N/NA _____
 Seals intact? Y/N/NA _____
 Received good condition/cold _____
 Turn around time: 24-Hr

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____
COC 160616

SOIL AIR-LABORATORY

Chain of Custody Record



PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
 25712 Commerce Centre Drive, Lake Forest, CA 92630
 949-297-5020

Client: Partner ESS
 Address: _____
 Phone: _____ Fax: _____
 Project Manager: Joe Manguna

Date: 6/26/18 Page: 2 of 2
 Project Name: 14800 West Schutte Road
 Collector: _____ Client Project #: 18-217440.1
 Batch #: T182057 EDF #: _____

Sample ID	Date Sampled	Start Time	Finish Time	Sample Type: Soil/Gas/Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-15	8015m Methane	8015m Gasoline	Fixed Gases by TCD	Summa Can # / Comments	Laboratory ID #
B6-2	15	6/26/18	12:10	soil	acetyl/ 802 for			X	X	X			2
B6-5	16		12:20					X	X	X			2
B7-2.5	17		12:40					X	X	X			2
B8-2	18		1:00					X	X	X			2
B8-5	19		1:15					X	X	X			2
B9-2	20		1:30					X	X	X			2
B9-5	21		1:45					X	X	X			2
B10-2	22		2:15					X	X	X			2
B10-5	23		2:30					X	X	X			2
B11-2	24		3:00					X	X	X			2
B11-5	25		3:15					X	X	X			2
B12-2	26		3:30					X	X	X			2
B12-5	27		3:45					X	X	X			2
CS-1	28		4:00					X	X	X			2
CS-1	29		4:20					X	X	X			2
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>6/26/18 600</u> Received by: (signature) _____ Date / Time _____						Chain of Custody seals Y/N/NA Seals intact? Y/N/NA			Total # of containers		Notes		
Relinquished by: (signature) _____ Date / Time <u>6/27/18 1030</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>1030</u>						Received good condition/cold			Turn around time <u>24-hr push</u>				
Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____													

* TO-15 SIM analysis available upon prior notification. (Pre-certified Summa cans needed)

COCAL 146821



WORK ORDER

T182067

Client: Partner Engineering & Science, Inc.--Oakland	Project Manager: Alexandra Huerta
Project: 14800 W. Schulte Rd.	Project Number: 217440.0

Report To:

Partner Engineering & Science, Inc.--Oakland
 Joe Mangine
 1017 22nd Ave. Suite 107
 Oakland, CA 94606

Date Due:	06/28/18 17:00 (1 day TAT)	Date Received:	06/27/18 10:30
Received By:	Brian Charon	Date Logged In:	06/27/18 10:32
Logged In By:	Brian Charon		

Samples Received at:	21.3°C		
Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirmed	No		

Analysis	Due	TAT	Expires	Comments
T182067-01 B 1-2 [Soil] Sampled 06/26/18 08:15 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				
T182067-02 B 1-5 [Soil] Sampled 06/26/18 08:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				
T182067-03 B 1-8 [Soil] Sampled 06/26/18 08:45 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				
T182067-04 B 1-12 [Soil] Sampled 06/26/18 09:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 09:00	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 09:00	
8260	06/28/18 15:00	1	07/10/18 09:00	
T182067-05 B 2-2 [Soil] Sampled 06/26/18 09:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				
T182067-06 B 2-5 [Soil] Sampled 06/26/18 09:45 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				



WORK ORDER

T182067

Client: Partner Engineering & Science, Inc.--Oakland	Project Manager: Alexandra Huerta
Project: 14800 W. Schulte Rd.	Project Number: 217440.0

Analysis	Due	TAT	Expires	Comments
T182067-07 B 2-8 [Soil] Sampled 06/26/18 10:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 10:00	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 10:00	
8260	06/28/18 15:00	1	07/10/18 10:00	
T182067-08 B 2-12 [Soil] Sampled 06/26/18 10:10 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-09 B 3-2 [Soil] Sampled 06/26/18 10:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 10:30	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 10:30	
8260	06/28/18 15:00	1	07/10/18 10:30	
T182067-10 B 3-5 [Soil] Sampled 06/26/18 10:40 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-11 B 4-2 [Soil] Sampled 06/26/18 11:08 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 11:08	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 11:08	
8260	06/28/18 15:00	1	07/10/18 11:08	
T182067-12 B 4-5 [Soil] Sampled 06/26/18 11:20 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-13 B 5-2 [Soil] Sampled 06/26/18 11:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 11:40	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 11:40	
8260	06/28/18 15:00	1	07/10/18 11:40	
T182067-14 B 5-5 [Soil] Sampled 06/26/18 11:45 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				



WORK ORDER

T182067

Client: Partner Engineering & Science, Inc.--Oakland	Project Manager: Alexandra Huerta
Project: 14800 W. Schulte Rd.	Project Number: 217440.0

Analysis	Due	TAT	Expires	Comments
T182067-15 B 6-2 [Soil] Sampled 06/26/18 12:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 12:10	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 12:10	
8260	06/28/18 15:00	1	07/10/18 12:10	
T182067-16 B 6-5 [Soil] Sampled 06/26/18 12:20 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-17 B 7-2.5 [Soil] Sampled 06/26/18 12:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 12:40	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 12:40	
8260	06/28/18 15:00	1	07/10/18 12:40	
T182067-18 B 8-2 [Soil] Sampled 06/26/18 13:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 13:00	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 13:00	
8260	06/28/18 15:00	1	07/10/18 13:00	
T182067-19 B 8-5 [Soil] Sampled 06/26/18 13:15 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-20 B 9-2 [Soil] Sampled 06/26/18 13:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 13:30	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 13:30	
8260	06/28/18 15:00	1	07/10/18 13:30	
T182067-21 B 9-5 [Soil] Sampled 06/26/18 13:45 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T182067-22 B 10-2 [Soil] Sampled 06/26/18 14:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	06/28/18 15:00	1	12/23/18 14:15	
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 14:15	
8260	06/28/18 15:00	1	07/10/18 14:15	



WORK ORDER

T182067

Client: Partner Engineering & Science, Inc.--Oakland	Project Manager: Alexandra Huerta
Project: 14800 W. Schulte Rd.	Project Number: 217440.0

Analysis	Due	TAT	Expires	Comments
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T182067-23 B 10-5 [Soil] Sampled 06/26/18 14:30 (GMT-08:00) Pacific Time
 (US &
 [NO ANALYSES]

T182067-24 B 11-2 [Soil] Sampled 06/26/18 15:00 (GMT-08:00) Pacific Time
 (US &

6010 Title 22	06/28/18 15:00	1	12/23/18 15:00
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 15:00
8260	06/28/18 15:00	1	07/10/18 15:00

T182067-25 B 11-5 [Soil] Sampled 06/26/18 15:15 (GMT-08:00) Pacific Time
 (US &
 [NO ANALYSES]

T182067-26 B 12-2 [Soil] Sampled 06/26/18 15:30 (GMT-08:00) Pacific Time
 (US &

6010 Title 22	06/28/18 15:00	1	12/23/18 15:30
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 15:30
8260	06/28/18 15:00	1	07/10/18 15:30

T182067-27 B 12-5 [Soil] Sampled 06/26/18 15:45 (GMT-08:00) Pacific Time
 (US &
 [NO ANALYSES]

T182067-28 CS-1 [Soil] Sampled 06/26/18 16:00 (GMT-08:00) Pacific Time (US
 &

6010 Title 22	06/28/18 15:00	1	12/23/18 16:00
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 16:00
8260	06/28/18 15:00	1	07/10/18 16:00

T182067-29 SS-1 [Soil] Sampled 06/26/18 16:20 (GMT-08:00) Pacific Time (US
 &

6010 Title 22	06/28/18 15:00	1	12/23/18 16:20
8015 Carbon Chain	06/28/18 15:00	1	07/10/18 16:20
8260	06/28/18 15:00	1	07/10/18 16:20

Analysis groups included in this work order

<u>6010 Title 22</u>	
subgroup 6010B T22	7470/71 Hg