DOCKETED

Docket Number:	16-AFC-01
Project Title:	Stanton Energy Reliability Center
TN #:	214207-37
Document Title:	Appendix 5.14B - Phase II ESA
Description:	Application for Certification Vol. 2
Filer:	Sabrina Savala
Organization:	Stanton Energy Reliability Center, LLC
Submitter Role:	Applicant
Submission Date:	10/27/2016 10:23:29 AM
Docketed Date:	10/26/2016

Appendix 5.14B
Phase II ESA

PHASE II ENVIRONMENTAL SITE ASSESSMENT

10711 Dale Avenue and 8230 Pacific Street
Stanton, California

AEC Project No. 16-148SD
September 14, 2016

Prepared for:

Stanton Energy Reliability Center, LLC
650 Bercut Drive, Suite A
Sacramento, California 95811

Prepared by:

Advantage Environmental Consultants, LLC
145 Vallecitos De Oro, Suite 201
San Marcos, California 92069
Phone (760) 744-3363 • FAX (760) 744-3383

ADVANTAGE
ENVIRONMENTAL
CONSULTANTS, LLC.

September 14, 2016

Kara Miles
Stanton Energy Reliability Center, LLC
650 Bercut Drive, Suite A
Sacramento, California 95811

Subject: **Phase II Environmental Site Assessment**
10711 Dale Avenue and 8230 Pacific Street, California
AEC Project No. 16-148SD

Dear Ms. Miles:

Advantage Environmental Consultants, LLC (AEC) has performed a Phase II Environmental Site Assessment (ESA) of the above referenced property. This report includes AEC's findings, conclusions, recommendations, and supporting documentation. We appreciate the opportunity to be of continued service to you on this project. If you should have any questions regarding this report, or if we can be of further assistance, please contact the undersigned at (760) 744-3363.

Sincerely,

ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC

Dan Weis, R.E.H.S.
Branch Manager
Western Regional Office

Eric M. Cathcart, PG
Senior Geologist
California PG# 7548

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1.0 INTRODUCTION

1.1 Project Introduction

Advantage Environmental Consultants, LLC (AEC) was authorized by Stanton Energy Reliability Center, LLC to conduct a Phase II Environmental Site Assessment (ESA) at a portion of the 3.98 acre property located at 10711 Dale Avenue and 8230 Pacific Street in Stanton, California (the "Site"). The Site is situated to the west of Dale Avenue and to the south and east of the intersection of Pacific Street and Fern Avenue. The Site is comprised of three legal parcels identified as Assessor Parcel Numbers 126-531-43 (10711 Dale Avenue), 126-531-40 (8230 Pacific Street), and 126-553-18. The western portion of the Site (bound to the west by the intersection of Pacific Street and Fern Avenue and to the east by the Stanton Storm Channel) is currently developed with a wooden garage building, an asphalt-paved parking area, an un-paved truck parking area, and a wooden pallet storage area. The western portion of the Site is currently occupied by a trucking company and a wooden pallet storage company. The eastern portion of the Site (bound to the west by the Stanton Storm Channel and to the east by Dale Avenue) is vacant and undeveloped land with the exception of a wooden power pole. The eastern portion of the Site is currently unoccupied. The general location of the Site is depicted on the Vicinity Map included as Figure 1.

1.2 Background and Purpose

AEC has completed a Phase I ESA of the Site concurrently with the Phase II study. During the course of the completion of the Phase I ESA, it was revealed that an underground storage tank (UST) was removed from the western portion of the Site (portion of the overall property to be leased from the existing landowner) and that residual petroleum hydrocarbon impacts reportedly remain in place beneath the former UST. In addition, during our reconnaissance of the Site, numerous containers of used oil and other chemical products were observed. Areas of stained soil and pavement were observed in the area of several such containers. AEC advised Stanton Energy Reliability Center, LLC that the completion of a Phase II Environmental Site Assessment should be considered to evaluate the potential vapor intrusion exposure pathway (into a future building) in the western portion of the Site and to evaluate soil conditions in the same area for potential contaminants relative to future construction and soil management activities.

1.3 Geologic and Hydrogeologic Setting

Geology

The Site lies within the Peninsular Ranges Geologic Province of California. This geomorphic province is traversed by a group of northwest trending sub-parallel fault zones and encompasses an area that extends 125 miles from the Transverse Ranges and the Los Angeles Basin south to the Mexican Border and beyond another 775 miles to the tip of Baja California. Rocks within the Peninsular Range Province were emplaced during Cretaceous age orogenic events and uplifted into the present mountain ranges during the late Tertiary and Quaternary. Igneous, metamorphic and sedimentary rocks are all found within the Peninsular Ranges. The area is seismically active, with several known active faults crossing the Province. Based on information depicted on the 2010 Geologic Map of California, the Site is underlain by Pleistocene- Holocene- aged marine and nonmarine (continental) sedimentary rocks consisting of alluvium, lake, playa, and terrace deposits which are unconsolidated and semi-consolidated. Based on the 2010 Fault Activity Map of California, the Site is depicted to the west of an

unnamed fault which trends to the southeast, to the east of the Los Alamitos Fault, to the south of the Norwalk Fault and to the west of the El Modeno Fault.

Hydrogeology

According to the Water Quality Control Plan for the Santa Ana River Basin, published by the Santa Ana RWQCB, the Site is situated in the Orange County Management Basin within the East Coastal Plain of the Lower Santa Ana River sub-basin within the Santa Ana River basin. Groundwater within the Orange County Management Basin is listed with existing or potential beneficial use designations for municipal, agricultural, industrial, and process supply purposes. Information obtained from the GeoTracker website for nearby properties, revealed groundwater depths measured between 18 to 20 feet below ground surface (bgs) with gauged gradients to the east- southeast and to the southwest.

2.0 FIELD ACTIVITIES AND METHODOLOGY

2.1 Pre-Field Activities

Prior to the commencement of field sampling, AEC prepared a health and safety plan that outlined the procedures that AEC's personnel followed to minimize the potential for health and safety hazards during the course of work performed at the Site. In addition, AEC notified Underground Service Alert (USA) utility marking service prior to drilling activities. USA member agencies identified known utility locations in the public right of way adjacent to the Site and on select areas of the Site. In addition, a private utility location company was retained to clear soil boring locations of subsurface conflicts.

2.2 Soil Sampling

Eight soil borings (identified as B1 through B8) were advanced on the western portion of the Site on August 19, 2016 using a truck-mounted direct-push sampling rig equipped with approximate two-inch diameter stainless steel rods and soil sampling tools. An aerial photograph depicting the western portion of the Site and the approximate locations of the soil borings drilled during this assessment is included as Figure 2.

The soil borings were advanced by Astech Environmental of Santa Ana, California under the oversight of AEC. Soil borings B1 and B2 were drilled in the western paved parking lot portion of the Site. Soil borings B3 through B5 were drilled in the central portion of the Site, with boring B3 situated to the northwest of the garage building, boring B4 situated within the anticipated location of a former UST, and boring B5 situated adjacent to the current AST. Soil boring B6 was situated in the central and northern portion of the Site, adjacent to the area of the former unlined drainage. Soil borings B7 and B8 were drilled in the unpaved parking area in the eastern portion of the Site, with boring B7 adjacent to truck parking areas and boring B8 adjacent to the pallet storage area. All eight borings were advanced to a depth of 15 feet bgs. Soil samples were collected using stainless steel sampling rods lined with acetate sleeves. Soil samples were generally collected at depths of 1, 2, 3, 4, 5, 10, and 15 feet bgs in each of the borings. The acetate sleeves were cut, sealed with Parafilm® sheets, capped, appropriately labeled, and placed into a chilled cooler for transport to State-certified laboratory. Upon completion of drilling and sampling, the soil borings were backfilled with hydrated bentonite granules and capped with either concrete or asphalt to match existing surface conditions. Soil sampling equipment was decontaminated between uses by washing with a non-phosphate detergent solution followed by successive rinses in distilled water.

2.3 Sample Laboratory Analysis

All soil samples collected during this assessment were transported to American Environmental Testing Laboratory, Inc. of Burbank, California under chain of custody documentation. Sixteen soil samples were analyzed for total petroleum hydrocarbons (TPH) by United States Environmental Protection Agency (EPA) test Method 8015B. Such samples were collected from the following borings:

- Boring B1 at 3 and 15 foot depths
- Boring B2 at 1 and 10 foot depths
- Boring B3 at 1 and 4 foot depths
- Boring B4 at 2 and five foot depths

- Boring B5 at 1 and 3 foot depths
- Boring B6 at 1 and 5 foot depths
- Boring B7 at 1 and 2 foot depths
- Boring B8 at 5 and 10 foot depths

Eight soil samples were analyzed for volatile organic compounds (VOCs) by EPA test Method 8260B. Such samples were collected from the following borings:

- Borings B2, B3, B4 and B5 at 1 foot depths
- Borings B1, B6, B7, and B8 at 5 foot depths

Four soil samples were analyzed for Title 22 Metals by EPA test Methods 6010B/7471A. Such samples were collected from the following borings:

- Borings B2, B3 and B6 at 1 foot depths
- Boring B7 at the 2 foot depth

Four soil samples were analyzed for total lead by EPA test Method 601B. Such samples were collected from the following borings:

- Borings B1 and B5 at 2 foot depths
- Boring B4 at the 1 foot depth
- Boring B8 at the 5 foot depth

2.4 Soil Gas Sampling and Laboratory Analysis

Probe Installation

Soil gas probe installation was conducted by Astech Environmental of Santa Ana, California, under the oversight of AEC on August 19, 2016. Soil gas probes, identified as SV1 through SV8, were installed in all eight borings at 5 feet below grade. Boreholes were drilled using truck-mounted direct-push drill rig. A 2.5-inch outer diameter (O.D.) steel rod and 2-inch O.D. piston sampler with drive tip was advanced through the soil to the total depth of each boring (15 feet). The rod and sampler were then removed from the borehole and the boring was built up to 5 feet below grade and 1/8-inch nylon tubing with a small airstone filter was inserted into the open borehole. The probe was gently lifted up from the built up bottom of the borehole and sand was poured down the borehole to encase the filter with a minimum of six inches of sand pack. Approximately six inches to one foot of dry granular bentonite was placed on top of the sand pack. The soil gas well was then completed to the surface with hydrated bentonite. The probe was allowed to set for at least two hours prior to sampling to allow the bentonite time to properly seal.

At each temporary probe, a shut in test was performed for 60 seconds to verify sample train integrity, and a cloth saturated with a liquid tracer compound (i.e. isopropyl alcohol) was placed around the seals and probe connections for leak testing. A default of three purge volumes was used during sampling. A probe vacuum was monitored during purging to ensure a vacuum less than 100 inches of water, and a flow rate between 100 and 200 milliliters per minute (ml/min) was maintained and recorded during purging and sampling. The samples were collected into 0.5 L Tedlar® sampling bags and transported to Baseline Analytical of Huntington Beach, California for VOC analysis by EPA test Method 8260B.

Probe Removal

Upon completion of soil gas sampling, the probes were removed from the ground and the probe holes were backfilled with hydrated bentonite to match existing grades. The used tubing along with other non-hazardous wastes generated during the field activities were bagged and handled as miscellaneous solid waste.

3.0 RESULTS AND DISCUSSION

3.1 Subsurface Conditions

Soil conditions encountered during exploration activities at the Site consisted primarily of brown, slightly moist, loose to dense, silt and sand mixtures to the maximum depth of exploration (15 feet bgs). No significant petroleum staining and/or odors were noted in the soil samples collected from the eight borings at the Site. In addition, during drilling and sampling activities, an organic vapor monitor was used to monitor the presence and level of undifferentiated organic vapors in the borings and to screen soil samples collected. The instrument was also used to screen for organic vapor in ambient air and the breathing zone of field personnel. A MiniRAE 2000 photoionization detector (PID) was used at the Site during the investigation activities. Field screening of soil samples with the PID did not exhibit registerable levels of undifferentiated VOCs on the field instrument. Groundwater was not encountered in any of the soil borings advanced during this investigation.

3.2 Soil Analytical Laboratory Data

TPH

TPH as gasoline was not detected in all sixteen soil samples analyzed. TPH as diesel was detected in four soil samples at concentrations ranging from 31.1 milligrams per kilogram (mg/kg) in sample B5-3' to 175 mg/kg in sample B6-5'. TPH as oil was detected in five soil samples at concentrations ranging from 99.1 mg/kg in sample B4-2' to 796 mg/kg in sample B6-1'. Based on the lack of petroleum hydrocarbon staining and odors associated with samples that contained detectable TPH, the lack of registerable levels of undifferentiated VOCs on the PID when field screening such samples and the lack of detectable concentrations of VOCs in any soil samples analyzed for such compounds (see VOCs section below), the detected TPH concentrations are considered to be insignificant. TPH data is presented in Table 1 which is attached to this report. All analytical laboratory reports are included in Appendix A of this document.

VOCs

VOCs were not detected in all eight soil samples analyzed for such constituents. VOC data is presented in Table 1 which is attached to this report.

Metals

Detectable concentrations of barium (36.5 to 71.8 mg/kg), chromium (6.42 to 15.5 mg/kg), cobalt (3.08 to 7.03), copper (9.47 to 10.1 mg/kg), nickel (6.97 to 7.58), vanadium (17.7 to 27.4) and zinc (36.7 to 50.4) were reported in all four soil samples analyzed for metals. In addition, concentrations of lead (4.66 to 34.3 mg/kg) were reported in five of the eight soil samples analyzed for this element and concentrations of arsenic (4.78 and 6.41 mg/kg) were detected in two of the four soil samples analyzed for this element. No additional metal concentrations above the laboratory detection limits were reported. As shown in Table 2 which is attached to this report, no elevated concentrations (above waste profiling thresholds or human health risk based screening levels) of metals were reported.

3.3 Soil Gas Analytical Laboratory Data

No VOCs were detected in the eight soil gas samples collected at the Site.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations of the Phase II ESA are as follows:

- Soil conditions noted in the areas evaluated during this assessment are indicative of conditions commonly noted at commercial/light-industrial properties that have sustained similar historical operations and uses. TPH impacted soil at the Site is not considered to be a significant constraint to future Site development or a condition that that would result in a directive for assessment or remediation if brought to the attention of an environmental regulatory agency.

- VOCs were not detected in any soil samples analyzed during the investigation.

- Metals concentrations in soil samples analyzed during this investigation are not considered to be elevated.

- VOCs were not detected in any soil gas samples analyzed during the investigation.

- All data obtained during this assessment is considered to be valid and useful for decision making purposes. In addition, no upset conditions occurred during the sampling events or completion of the laboratory analysis that may have adversely influenced the results of the investigation.

- No additional assessment at the Site is considered to be warranted at this time.

5.0 LIMITATIONS

The services provided by AEC have been performed in accordance with practices and standards generally accepted by environmental scientists practicing in this industry. No other warranty, either express or implied, is made. The results and conclusions described herein are based on a limited subsurface sampling program and do not purport to identify any and all sources of subsurface impacts that may exist at the Site. Subsurface conditions at a given location may not be representative of conditions in other areas on the Site. In addition, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions and other factors. Our conclusions regarding the condition of the Site does not represent a warranty that all areas of the Site are similar to those sampled. AEC is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

6.0 REFERENCES

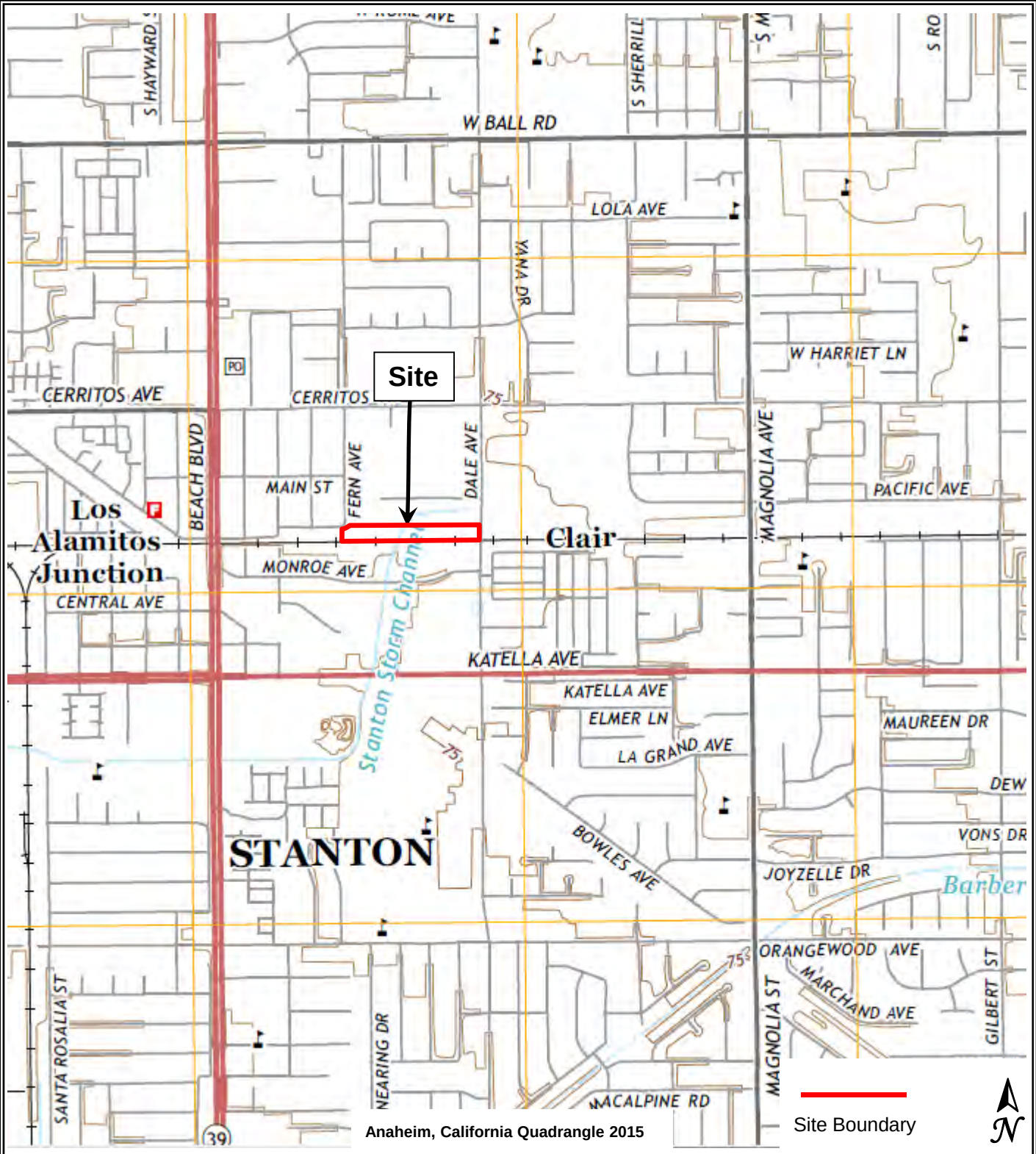
California Geological Survey (CGS), 2002, California Geomorphic Provinces Note 36, Electronic Copy.

California Regional Water Quality Control Board – Santa Ana Region, 1995, Water Quality Control Plan for the Santa Ana River Basin: California State Water Resources Control Board Publication.

California State Water Resource Control Board, GeoTracker online database: http://www.geotracker.swrcb.ca.gov.

USGS topographic map, Anaheim, California Quadrangle (2015).

FIGURES



Advantage Environmental Consultants, LLC

145 Vallecitos De Oro, Suite 201
San Marcos, CA 92069
Phone: 760-744-3363 Fax: 760-744-3383

Vicinity Map
10711 Dale Avenue and 8230 Pacific Street
Stanton, California

Work Order No.:	Report Date:	Drawn By:
16-148SD	September 2016	GS

AEC Advantage Environmental Consultants, LLC

145 Vallecitos De Oro, Suite 201
San Marcos, CA 92069

Phone: 760-744-3363
Fax: 760-744-3383

Boring Location Map

10711 Dale Avenue and 8230 Pacific Street
Stanton, California

Work Order No.:	Report Date:	Drawn By:
16-148SD	September 2016	GS

TABLES

TABLE 1
TPH and VOC Analytical Results in Soil
10711 Dale Avenue and 8230 Pacific Street, Stanton, California

Sample ID - Depth	Date Sampled	TPH as Gasoline and Light Hydrocarbons (mg/kg)	TPH as Diesel (mg/kg)	TPH as Heavy Hydrocarbons (mg/kg)	VOCs
B1-3'	8/19/2016	ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B1-5'		--	--	--	ND
B1-15'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B2-1'		ND(<0.1)	ND(<1.0)	ND(<1.0)	ND
B2-10'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B3-1'		ND(<0.1)	ND(<1.0)	ND(<1.0)	ND
B3-4'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B4-1'		--	--	--	ND
B4-2'		ND(<0.1)	ND(<1.0)	99.1	--
B4-5'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B5-1'		ND(<0.1)	ND(<1.0)	ND(<1.0)	ND
B5-3'		ND(<0.1)	19.4	169	--
B6-1'		ND(<0.1)	44	796	--
B6-5'		ND(<0.1)	175	637	ND
B7-1'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--
B7-2'		ND(<0.1)	31.1	745	--
B7-5'		--	--	--	ND
B8-5'		ND(<0.1)	ND(<1.0)	ND(<1.0)	ND
B8-10'		ND(<0.1)	ND(<1.0)	ND(<1.0)	--

NOTES:

Samples analyzed by US EPA Test Method 8015B

TPH = Total Petroleum Hydrocarbons

TPH analysis conducted by EPA test Method 8015B

VOCs - Volatile Organic Compounds by EPA test Method 8260B

mg/kg = milligrams per kilogram

ND = not detected at or above the laboratory method reporting limits

TABLE 2
Metals Analytical Results in Soil
10711 Dale Avenue and 8230 Pacific Street, Stanton, California

Sample ID	Sample Date	Depth (feet)	Total Title 22 Metals by EPA Test Methods 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-2'	8/19/2016	2	--	--	--	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--
B2-1'		1	ND<1.0	ND<1.0	47.7	ND<1.3	ND<1.3	12.1	5.83	9.47	ND<2.5	ND<0.1	ND<2.5	7.37	ND<1.0	ND<2.5	ND<1.0	27.4	36.7
B3-1'		1	ND<1.0	6.41	64.5	ND<1.3	ND<1.3	15.5	7.03	10.1	4.66	ND<0.1	ND<2.5	9.2	ND<1.0	ND<2.5	ND<1.0	33	50.4
B4-1'		1	--	--	--	--	--	--	--	--	24.1	--	--	--	--	--	--	--	--
B5-2'		2	--	--	--	--	--	--	--	--	14.2	--	--	--	--	--	--	--	--
B6-1'		1	ND<1.0	4.78	71.8	ND<1.3	ND<1.3	8.7	3.49	9.48	6.63	ND<0.1	ND<2.5	6.97	ND<1.0	ND<2.5	ND<1.0	18.2	39.1
B7-2'		2	ND<1.0	ND<1.0	36.5	ND<1.3	ND<1.3	6.42	3.08	9.92	34.3	ND<0.1	ND<2.5	7.58	ND<1.0	ND<2.5	ND<1.0	17.7	41
B8-5'		5	--	--	--	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--
TTLC (mg/kg)		--	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
Screening Level		--	470	12	220,000	2,300	980	6	350	47,000	320	460	5,800	8,100	5,800	5,800	120	5,800	350,000

NOTES:

Samples analyzed by US EPA Test Methods 6010B/7471A
mg/kg - milligrams per kilogram
ND (<1.0) = Not detected at or above the laboratory reporting limit
TTLC = Total Threshold Limit Concentration (California Code of Regulations Title 22, Chapter 30, Article 11)
Screening Level = Arsenic and Lead (California Department of Toxic Substances Control) - Other Metals (United States EPA)

APPENDIX A

ANALYTICAL LABORATORY REPORTS
AND CHAIN-OF CUSTODY DOCUMENTATION

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Advantage Environmental Consultants
145 Vallecitos De Oro Suite 201
San Marcos, CA 92069-

Telephone: (760)744-3363
Attention: Dan Weis

Number of Pages	**18**
Date Received	**08/19/2016**
Date Reported	**08/25/2016**

Job Number	Order Date	Client
84251	08/19/2016	AEC

Project ID: 16-148SD
Project Name: 8230 Pacific Street
Site: 8230 Pacific Street
Stanton, CA 90680

Enclosed please find results of analyses of 12 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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CHAIN OF CUSTODY RECORD

№ 99172

AETL JOB No. 84251

COMPANY	AEC
PROJECT MANAGER	DAN WELS
COMPANY ADDRESS	145 VALLECITOS DE ORO, STE 205, SAN MARCOS, CA 92069
PHONE	760-744-3363
FAX	760-744-3378
PROJECT NAME	
PROJECT #	
SITE NAME AND ADDRESS	8230 PACIFIC STREET, STANTON, CA
PO #	16-14850

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TPH-8015 B	VOCs-8260B	TITLE 22 6010B METALS 7471A	TOTAL LEAD 6010B	TEST INSTRUCTIONS & COMMENTS
1	B5-1'	84251.01	8-19-16	8:05	SOIL	1 ACETATE SLEEVE	ICE	X	X			
2	B5-2'	84251.02		8:10							X	
3	B5-3'	84251.03		8:15				X				
4	B5-4'	84251.04		8:25								HOLD
5	B5-5'	84251.05		8:30								HOLD
6	B5-10'	84251.06		8:35								HOLD
7	B5-15'	84251.07		8:40								HOLD
8	B4-1'	84251.08		8:55					X		X	
9	B4-2'	84251.09		9:00				X				
10	B4-3'	84251.10		9:03								HOLD
11	B4-4'	84251.11		9:07								HOLD
12	B4-5'	84251.12		9:10				X				
13	B4-10'	84251.13		9:15								HOLD
14	B4-15'	84251.14		9:20								HOLD
15	B6-1'	84251.15		9:35				X		X		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) / N / NA	
RECEIVED IN GOOD COND. (Y) / N		SAMPLES ACCEPTED (Y) / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:			
Printed Name:	G. STULL		
Date: / Time:	8-19-16 1515	/	8-19-16 1800
	RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:			
Printed Name:			
Date: / Time:	8-19-16 1515	/	08/19/16 1800

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

CHAIN OF CUSTODY RECORD

№ 99173

COMPANY: AEC
PROJECT MANAGER:
COMPANY ADDRESS:
PHONE:
FAX:
PROJECT NAME:
PROJECT #:
SITE NAME AND ADDRESS: 8230 PACIFIC STREET STANTON, CA
PO #: 16-1485D

AETL JOB No. 84251

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	TRH-8015B	VOCs-8260B	TITLE 22 METALS 7471A	TOTAL LEAD 6010B	TEST INSTRUCTIONS & COMMENTS
1	B6-2'	84251.16	8/19/16	9:40	Soil	1 SLEEVE	ICE					HOLD
2	B6-3'	84251.17		9:45								HOLD
3	B6-4'	84251.18		9:47								HOLD
4	B6-5'	84251.19		9:50				X	X			
5	B6-10'	84251.20		9:52								HOLD
6	B6-15'	84251.21		9:57								HOLD
7	B8-1'	84251.22		10:00								HOLD
8	B8-2'	84251.23		10:14								HOLD
9	B8-3'	84251.24		10:18								HOLD
10	B8-4'	84251.25		10:23								HOLD
11	B8-5'	84251.26		10:25				X	X		X	
12	B8-10'	84251.27		10:30				X				
13	B8-15'	84251.28		10:36								HOLD
14	B7-1'	84251.29		11:00				X				
15	B7-2'	84251.30		11:05				X		X		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED (Y) / N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) / N / NA	
RECEIVED IN GOOD COND. (Y) / N		SAMPLES ACCEPTED (Y) / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH
☐ SAME DAY
☐ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☐ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:			
Printed Name:	C. STULL		THOMAS LOBINGER
Date: / Time:	8-19-16		8-19-16 / 1800
	RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:			
Printed Name:	THOMAS LOBINGER		ANITA
Date: / Time:	8-19-16 / 1515		08/19/16 / 1800

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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Ordered By

Advantage Environmental Consultants
145 Vallecitos De Oro Suite 201
San Marcos, CA 92069-

Telephone: (760)744-3363
Attention: Dan Weis

Project ID: 16-148SD
Date Received 08/19/2016
Date Reported 08/25/2016

Job Number	Order Date	Client
84251	08/19/2016	AEC

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 30 samples with the following specification on 08/19/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
84251.01	B5-1'	08/19/2016	Soil	1
84251.19	B6-5'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(8260B)	08/26/2016	2	Normal	ug/Kg
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
84251.02	B5-2'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	08/26/2016	2	Normal	mg/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
84251.03	B5-3'	08/19/2016	Soil	1
84251.09	B4-2'	08/19/2016	Soil	1
84251.12	B4-5'	08/19/2016	Soil	1
84251.27	B8-10'	08/19/2016	Soil	1
84251.29	B7-1'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
84251.04	B5-4'	08/19/2016	Soil	1
84251.05	B5-5'	08/19/2016	Soil	1
84251.06	B5-10'	08/19/2016	Soil	1
84251.07	B5-15'	08/19/2016	Soil	1
84251.10	B4-3'	08/19/2016	Soil	1
84251.11	B4-4'	08/19/2016	Soil	1
84251.13	B4-10'	08/19/2016	Soil	1
84251.14	B4-15'	08/19/2016	Soil	1

Continued

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Project ID: 16-148SD
Date Received 08/19/2016
Date Reported 08/25/2016

Job Number	Order Date	Client
84251	08/19/2016	AEC

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

84251.16	B6-2'	08/19/2016	Soil	1
84251.17	B6-3'	08/19/2016	Soil	1
84251.18	B6-4'	08/19/2016	Soil	1
84251.20	B6-10'	08/19/2016	Soil	1
84251.21	B6-15'	08/19/2016	Soil	1
84251.22	B8-1'	08/19/2016	Soil	1
84251.23	B8-2'	08/19/2016	Soil	1
84251.24	B8-3'	08/19/2016	Soil	1
84251.25	B8-4'	08/19/2016	Soil	1
84251.28	B8-15'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	08/26/2016	2	Normal	--

84251.08	B4-1'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	08/26/2016	2	Normal	mg/Kg
(8260B)	08/26/2016	2	Normal	ug/Kg

84251.15	B6-1'	08/19/2016	Soil	1
84251.30	B7-2'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	08/26/2016	2	Normal	mg/Kg
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

84251.26	B8-5'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	08/26/2016	2	Normal	mg/Kg
(8260B)	08/26/2016	2	Normal	ug/Kg
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

Continued

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Project ID: 16-148SD
Date Received 08/19/2016
Date Reported 08/25/2016

Job Number	Order Date	Client
84251	08/19/2016	AEC

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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ANALYTICAL RESULTS

Ordered By

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Attn: Dan Weis
Page: **2**

Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84251.01	84251.08	84251.19	84251.26
Client Sample I.D.				B5-1'	B4-1'	B6-5'	B8-5'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84251.01	84251.08	84251.19	84251.26
Client Sample I.D.				B5-1'	B4-1'	B6-5'	B8-5'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84251.01	84251.08	84251.19	84251.26
Client Sample I.D.				B5-1'	B4-1'	B6-5'	B8-5'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	84251.01	84251.08	84251.19	84251.26
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		109	109	113	113	110
Dibromofluoromethane	75-125		119	102	105	103	107
Toluene-d8	75-125		99.7	100	101	102	100

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ANALYTICAL RESULTS

Ordered By

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Page: **5**

Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB2

Our Lab I.D.			Method Blank	84251.01	84251.03	84251.09	84251.12
Client Sample I.D.				B5-1'	B5-3'	B4-2'	B4-5'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/22/2016	08/22/2016	08/22/2016	08/22/2016	08/22/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	84251.01	84251.03	84251.09	84251.12
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		84.2	82.0	80.6	80.0	81.0

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Site

8230 Pacific Street
Stanton, CA 90680

Page: **6**

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB2

Our Lab I.D.			84251.15	84251.19	84251.26	84251.27	84251.29
Client Sample I.D.			B6-1'	B6-5'	B8-5'	B8-10'	B7-1'
Date Sampled			08/19/2016	08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/22/2016	08/22/2016	08/22/2016	08/22/2016	08/22/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			84251.15	84251.19	84251.26	84251.27	84251.29
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		80.4	80.2	81.2	81.8	82.4

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Site

8230 Pacific Street
Stanton, CA 90680

Page: **7**

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB2

Our Lab I.D.			**84251.30**				
Client Sample I.D.			B7-2'				
Date Sampled			**08/19/2016**				
Date Prepared			**08/22/2016**				
Preparation Method			**5030**				
Date Analyzed			**08/23/2016**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Gasoline and Light HC. (C4-C12)	**0.100**	**1.000**	**ND**				
Our Lab I.D.			**84251.30**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	**75-125**		**84.6**				

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Page: **8**

Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1

Our Lab I.D.			Method Blank	84251.01	84251.03	84251.09	84251.12
Client Sample I.D.				B5-1'	B5-3'	B4-2'	B4-5'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	19.4	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	169	99.1	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	188	99.1	ND
Our Lab I.D.			Method Blank	84251.01	84251.03	84251.09	84251.12
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		99.5	104	100	98.5	101

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Site

8230 Pacific Street
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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1

Our Lab I.D.			84251.15	84251.19	84251.26	84251.27	84251.29
Client Sample I.D.			B6-1'	B6-5'	B8-5'	B8-10'	B7-1'
Date Sampled			08/19/2016	08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/24/2016	08/24/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	44.0	175	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	796	637	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	840	812	ND	ND	ND
Our Lab I.D.			84251.15	84251.19	84251.26	84251.27	84251.29
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		96.3	101	102	98.9	96.8

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1

Our Lab I.D.			**84251.30**				
Client Sample I.D.			B7-2'				
Date Sampled			**08/19/2016**				
Date Prepared			**08/23/2016**				
Preparation Method			**3550B**				
Date Analyzed			**08/24/2016**				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Diesel (C13-C22)	**1.0**	**5.0**	**31.1**				
TPH as Heavy Hydrocarbons (C23-C40)	**1.0**	**5.0**	**745**				
TPH Total as Diesel and Heavy HC.C13-C40	**1.0**	**5.0**	**776**				
Our Lab I.D.			**84251.30**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Chlorobenzene	**75-125**		**94.2**				

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0823162C2

Our Lab I.D.			Method Blank	84251.02	84251.08	84251.26	
Client Sample I.D.				B5-2'	B4-1'	B8-5'	
Date Sampled				08/19/2016	08/19/2016	08/19/2016	
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			08/24/2016	08/24/2016	08/24/2016	08/24/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Lead	2.5	5.0	ND	14.2	24.1	ND	

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2

Our Lab I.D.			Method Blank	84251.15	84251.30		
Client Sample I.D.				B6-1'	B7-2'		
Date Sampled				08/19/2016	08/19/2016		
Date Prepared			08/23/2016	08/23/2016	08/23/2016		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			08/24/2016	08/24/2016	08/24/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	4.78J	ND		
Barium	2.5	5.0	ND	71.8	36.5		
Beryllium	1.3	2.5	ND	ND	ND		
Cadmium	1.3	2.5	ND	ND	ND		
Chromium	2.5	5.0	ND	8.77	6.42		
Cobalt	2.5	5.0	ND	3.49J	3.08J		
Copper	2.5	5.0	ND	9.48	9.92		
Lead	2.5	5.0	ND	6.63	34.3		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.5	5.0	ND	ND	ND		
Nickel	2.5	5.0	ND	6.97	7.58		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.5	5.0	ND	ND	ND		
Thallium	1.0	5.0	ND	ND	ND		
Vanadium	2.5	5.0	ND	18.2	17.7		
Zinc	2.5	5.0	ND	39.1	41.0		

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	**3.60**	**50.0**	**41.1**	**75.0**	**50.0**	**40.9 #**	**74.6**	**<1**	**75-125**	**<15**

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	**50.0**	**46.4**	**92.8**	**50.0**	**46.5**	**93.0**	**<1**	**75-125**	**<15**	

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	40.4	80.8	50.0	40.8	81.6	<1	75-125	<15
Arsenic	2.32	50.0	43.3	82.0	50.0	43.6	82.6	<1	75-125	<15
Barium	66.2	50.0	115	97.6	50.0	115	97.6	<1	75-125	<15
Beryllium	0.00	50.0	47.1	94.2	50.0	46.9	93.8	<1	75-125	<15
Cadmium	0.00	50.0	40.5	81.0	50.0	40.8	81.6	<1	75-125	<15
Chromium	9.63	50.0	55.0	90.7	50.0	55.1	90.9	<1	75-125	<15
Cobalt	5.58	50.0	48.2	85.2	50.0	48.3	85.4	<1	75-125	<15
Copper	15.0	50.0	59.2	88.4	50.0	59.4	88.8	<1	75-125	<15
Lead	3.60	50.0	41.1	75.0	50.0	40.9 #	74.6	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.720#	144	0.500	0.725#	145	<1	75-125	<15
Molybdenum	0.00	50.0	42.5	85.0	50.0	42.7	85.4	<1	75-125	<15
Nickel	7.47	50.0	46.7	78.5	50.0	47.1	79.3	1.01	75-125	<15
Selenium	0.00	50.0	35.2 #	70.4	50.0	35.2 #	70.4	<1	75-125	<15
Silver	0.00	50.0	41.0	82.0	50.0	41.3	82.6	<1	75-125	<15
Thallium	0.00	50.0	36.6 #	73.2	50.0	36.3 #	72.6	<1	75-125	<15
Vanadium	21.0	50.0	67.4	92.8	50.0	67.9	93.8	1.07	75-125	<15
Zinc	34.3	50.0	74.8	81.0	50.0	75.2	81.8	<1	75-125	<15

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	45.0	90.0	50.0	44.6	89.2	<1	75-125	<15	
Arsenic	50.0	46.3	92.6	50.0	46.2	92.4	<1	75-125	<15	
Barium	50.0	47.0	94.0	50.0	46.8	93.6	<1	75-125	<15	
Beryllium	50.0	52.8	106	50.0	53.2	106	<1	75-125	<15	
Cadmium	50.0	47.5	95.0	50.0	47.5	95.0	<1	75-125	<15	
Chromium	50.0	46.9	93.8	50.0	46.8	93.6	<1	75-125	<15	
Cobalt	50.0	47.3	94.6	50.0	47.2	94.4	<1	75-125	<15	
Copper	50.0	47.3	94.6	50.0	47.1	94.2	<1	75-125	<15	
Lead	50.0	46.4	92.8	50.0	46.5	93.0	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	**0.500**	**0.595**	**119**	**0.500**	**0.590**	**118**	**<1**	**75-125**	**<15**	
Molybdenum	**50.0**	**46.7**	**93.4**	**50.0**	**46.9**	**93.8**	**<1**	**75-125**	**<15**	
Nickel	**50.0**	**47.1**	**94.2**	**50.0**	**46.9**	**93.8**	**<1**	**75-125**	**<15**	
Selenium	**50.0**	**48.3**	**96.6**	**50.0**	**48.1**	**96.2**	**<1**	**75-125**	**<15**	
Silver	**50.0**	**47.9**	**95.8**	**50.0**	**47.8**	**95.6**	**<1**	**75-125**	**<15**	
Thallium	**50.0**	**49.2**	**98.4**	**50.0**	**49.3**	**98.6**	**<1**	**75-125**	**<15**	
Vanadium	**50.0**	**48.2**	**96.4**	**50.0**	**48.2**	**96.4**	**<1**	**75-125**	**<15**	
Zinc	**50.0**	**46.9**	**93.8**	**50.0**	**47.0**	**94.0**	**<1**	**75-125**	**<15**	

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1; Dup or Spiked Sample: 84251.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/23/2016; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	40.7	81.4	50.0	41.5	83.0	1.95	75-125	<20	
Chlorobenzene	50.0	40.1	80.2	50.0	40.0	80.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	45.3	90.6	50.0	46.2	92.4	1.97	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.0	92.0	50.0	46.1	92.2	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	40.2	80.4	50.0	40.0	80.0	<1	75-125	<20	
Trichloroethene	50.0	47.7	95.4	50.0	46.6	93.2	2.33	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	52.3	105	50.0	52.7	105	<1	75-125	<20	
Dibromofluoromethane	50.0	52.9	106	50.0	52.1	104	1.89	75-125	<20	
Toluene-d8	50.0	49.1	98.2	50.0	48.9	97.9	<1	75-125	<20	

QC Batch No: 0823162A1; Dup or Spiked Sample: 84251.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/23/2016; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	48.5	97.0	50.0	49.0	98.0	1.03	75-125	<20	
Chlorobenzene	50.0	49.2	98.4	50.0	49.5	99.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.4	101	50.0	55.8	112	10.3	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	53.8	108	50.0	54.5	109	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	47.7	95.4	50.0	48.5	97.0	1.66	75-125	<20	
Trichloroethene	50.0	50.9	102	50.0	51.3	103	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.1	112	50.0	56.8	114	1.77	75-125	<20	
Ethylbenzene	50.0	48.4	96.8	50.0	49.3	99.0	2.25	75-125	<20	
1,1,1-Trichloroethane	50.0	56.2	112	50.0	56.3	113	<1	75-125	<20	
o-Xylene	50.0	45.3	90.6	50.0	46.0	92.0	1.53	75-125	<20	
m,p-Xylenes	100	92.3	92.3	100	94.1	94.1	1.93	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.2	102	50.0	50.9	102	<1	75-125	<20	
Dibromofluoromethane	50.0	50.6	101	50.0	50.6	101	<1	75-125	<20	
Toluene-d8	50.0	47.3	94.5	50.0	47.4	94.7	<1	75-125	<20	

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1; Dup or Spiked Sample: 84251.26; LCS: Clean Sand; QC Prepared: 08/23/2016;MS Analyzed: 08/24/2016; LCS Analyzed: 08/23/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	478	95.6	500	480	96.0	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	94.7	94.7	100	94.2	94.2	<1	75-125	<20

QC Batch No: 082316PB1; Dup or Spiked Sample: 84251.26; LCS: Clean Sand; QC Prepared: 08/23/2016;MS Analyzed: 08/24/2016; LCS Analyzed: 08/23/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	487	97.4	500	478	95.6	1.87	75-125	<20	
Surrogates										
Chlorobenzene	100	93.8	93.8	100	92.6	92.6	1.28	75-125	<20	

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San Marcos, CA 92069-

Telephone: (760)744-3363
Attn: Dan Weis

Site

8230 Pacific Street
Stanton, CA 90680

Page: **18**

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84251	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB2; Dup or Spiked Sample: 84251.01AGA; LCS: Clean Sand; QC Prepared: 08/22/2016; QC Analyzed: 08/23/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.860	85.6	1.00	0.830	83.3	2.72	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0407	81.4	0.0500	0.0403	80.6	<1	75-125	<20

QC Batch No: 082216OB2; Dup or Spiked Sample: 84251.01AGA; LCS: Clean Sand; QC Prepared: 08/22/2016; QC Analyzed: 08/23/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.930	92.5	1.00	0.880	88.2	4.76	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0414	82.8	0.0500	0.0437	87.4	5.56	75-125	<20	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Advantage Environmental Consultants
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San Marcos, CA 92069-

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Attention: Dan Weis

Number of Pages	**16**
Date Received	**08/19/2016**
Date Reported	**08/25/2016**

Job Number	Order Date	Client
84252	08/19/2016	AEC

Project ID: 16-148SD
Project Name: 8230 Pacific Street
Site: 8230 Pacific Street
Stanton, CA 90680

Enclosed please find results of analyses of 9 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

№ 96072

COMPANY: AEC
PROJECT MANAGER:
COMPANY ADDRESS:
PHONE:
FAX:
PROJECT NAME:
PROJECT #:
SITE NAME AND ADDRESS: 8230 PACIFIC STREET, STANTON CA
PO #: 16-14850

AETL JOB No. 84252

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B7-3'	84252.01	8/19/16	11:07	SOIL	1 SLEEVE	ICE
2	B7-4'	84252.02		11:12			
3	B7-5'	84252.03		11:15			
4	B7-10'	84252.04		11:20			
5	B7-15'	84252.05		11:25			
6	B3-1'	84252.06		11:45			
7	B3-2'	84252.07		11:48			
8	B3-3'	84252.08		11:47			
9	B3-4'	84252.09		11:49			
10	B3-5'	84252.10		11:50			
11	B3-10'	84252.11		11:55			
12	B3-15'	84252.12		12:00			
13	B1-1'	84252.13		12:20			
14	B1-2'	84252.14		12:23			
15	B1-3'	84252.15		11:25			

ANALYSIS REQUESTED

	TPH - 8015 B	VOCs - 8260B	TITLE 22 6010B METALS 7471A	TOTAL LEAD - 6010B
1				
2				
3		X		
4				
5				
6	X	X	X	
7				
8				
9	X			
10				
11				
12				
13				
14			X	
15	X			

TEST INSTRUCTIONS & COMMENTS

1 HOLD
2 HOLD
3
4 HOLD
5 HOLD
6
7 HOLD
8 HOLD
9
10 HOLD
11 HOLD
12 HOLD
13 HOLD
14
15

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	15	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: G. STULL	Printed Name:	Printed Name:
Date: 8/19/16 Time: 1515	Date: Time:	Date: 8-19-16 Time: 1800
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: 3.** AETL
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 8-19-16 Time: 1515	Date: Time:	Date: 08/19/16 Time: 1800

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

№ 96075

COMPANY: AEC | PROJECT MANAGER:
COMPANY ADDRESS: | PHONE: | FAX:
PROJECT NAME: | PROJECT #:
SITE NAME AND ADDRESS: 8230 PACIFIC STREET, STANTON, CA | PO #: 16-14850

AETL JOB No. 84252 | Page 4 of 4

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B1-4'	84252.16	8/19/16	11:30	Soil	1 Sleeve	ICE
2	B1-5'	84252.17		11:35			
3	B1-10'	84252.18		11:45			
4	B1-15'	84252.19		12:00			
5	B2-1'	84252.20		12:15			
6	B2-2'	84252.21		12:25			
7	B2-3'	84252.22		12:30			
8	B2-4'	84252.23		12:35			
9	B2-5'	84252.24		12:50			
10	B2-10'	84252.25		13:00			
11	B2-15'	84252.26		13:15			
12							
13							
14							
15							

ANALYSIS REQUESTED

	TPH-8015B	VOCs - 8260B	Title 22 Metals 6010B 7471A Total - 6010B Lead								
1											HOLD
2		X									
3											HOLD
4	X										
5	X	X	X								
6											HOLD
7											HOLD
8											HOLD
9											HOLD
10	X										
11											HOLD

TEST INSTRUCTIONS & COMMENTS

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	11	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☐ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:			
Printed Name:	G. Stull		
Date / Time:	8/19/16 1575		8-19-16 1800
	RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:			
Printed Name:	Thomas Robinet		
Date / Time:	8-19-16 1575		08/19/16 1800

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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Advantage Environmental Consultants
145 Vallecitos De Oro Suite 201
San Marcos, CA 92069-

Telephone: (760)744-3363
Attention: Dan Weis

Project ID: 16-148SD
Date Received 08/19/2016
Date Reported 08/25/2016

Job Number	Order Date	Client
84252	08/19/2016	AEC

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 26 samples with the following specification on 08/19/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
84252.01	B7-3'	08/19/2016	Soil	1
84252.02	B7-4'	08/19/2016	Soil	1
84252.04	B7-10'	08/19/2016	Soil	1
84252.05	B7-15'	08/19/2016	Soil	1
84252.07	B3-2'	08/19/2016	Soil	1
84252.08	B3-3'	08/19/2016	Soil	1
84252.10	B3-5'	08/19/2016	Soil	1
84252.11	B3-10'	08/19/2016	Soil	1
84252.12	B3-15'	08/19/2016	Soil	1
84252.13	B1-1'	08/19/2016	Soil	1
84252.16	B1-4'	08/19/2016	Soil	1
84252.18	B1-10'	08/19/2016	Soil	1
84252.21	B2-2'	08/19/2016	Soil	1
84252.22	B2-3'	08/19/2016	Soil	1
84252.23	B2-4'	08/19/2016	Soil	1
84252.24	B2-5'	08/19/2016	Soil	1
84252.26	B2-15'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	08/26/2016	2	Normal	--

84252.03	B7-5'	08/19/2016	Soil	1
84252.17	B1-5'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(8260B)	08/26/2016	2	Normal	ug/Kg

84252.06	B3-1'	08/19/2016	Soil	1
84252.20	B2-1'	08/19/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units

Continued

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Telephone: (760)744-3363
Attention: Dan Weis

Project ID: 16-148SD
Date Received 08/19/2016
Date Reported 08/25/2016

Job Number	Order Date	Client
84252	08/19/2016	AEC

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

84252.20	B2-1'	08/19/2016	Soil		1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	08/26/2016	2	Normal	mg/Kg
(8260B)	08/26/2016	2	Normal	ug/Kg
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

84252.09	B3-4'	08/19/2016	Soil		1
84252.15	B1-3'	08/19/2016	Soil		1
84252.19	B1-15'	08/19/2016	Soil		1
84252.25	B2-10'	08/19/2016	Soil		1

Method ^ Submethod	Req Date	Priority	TAT	Units
(M8015D) ^ C13-C40	08/26/2016	2	Normal	mg/Kg
(M8015G)	08/26/2016	2	Normal	mg/Kg

84252.14	B1-2'	08/19/2016	Soil		1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	08/26/2016	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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ANALYTICAL RESULTS

Ordered By

Advantage Environmental Consultants
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Telephone: (760)744-3363
Attn: Dan Weis
Page: **2**

Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84252.03	84252.06	84252.17	84252.20
Client Sample I.D.				B7-5'	B3-1'	B1-5'	B2-1'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	1.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84252.03	84252.06	84252.17	84252.20
Client Sample I.D.				B7-5'	B3-1'	B1-5'	B2-1'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.0	10.0	ND	ND	ND	ND	ND
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND
2-Hexanone	25	50	ND	ND	ND	ND	ND
Iodomethane	5.0	10.0	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND	ND	ND
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Styrene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND
Tetrachloroethene	2.0	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND
Trichloroethene	1.5	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1

Our Lab I.D.			Method Blank	84252.03	84252.06	84252.17	84252.20
Client Sample I.D.				B7-5'	B3-1'	B1-5'	B2-1'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	ND	ND
o-Xylene	1.0	10.0	ND	ND	ND	ND	ND
m,p-Xylenes	1.0	20.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	84252.03	84252.06	84252.17	84252.20
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		109	110	113	98.4	108
Dibromofluoromethane	75-125		119	119	118	103	117
Toluene-d8	75-125		99.7	101	99.2	102	99.4

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Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB1

Our Lab I.D.			Method Blank	84252.06	84252.09	84252.15	84252.19
Client Sample I.D.				B3-1'	B3-4'	B1-3'	B1-15'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/22/2016	08/22/2016	08/22/2016	08/22/2016	08/22/2016
Preparation Method			5030	5030	5030	5030	5030
Date Analyzed			08/22/2016	08/22/2016	08/22/2016	08/22/2016	08/22/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	84252.06	84252.09	84252.15	84252.19
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		84.4	82.2	81.4	82.0	80.6

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8230 Pacific Street
Stanton, CA 90680

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB1

Our Lab I.D.			**84252.20**	**84252.25**			
Client Sample I.D.			B2-1'	B2-10'			
Date Sampled			**08/19/2016**	**08/19/2016**			
Date Prepared			**08/22/2016**	**08/22/2016**			
Preparation Method			**5030**	**5030**			
Date Analyzed			**08/22/2016**	**08/22/2016**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	**0.100**	**1.000**	**ND**	**ND**			
Our Lab I.D.			**84252.20**	**84252.25**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	**75-125**		**81.2**	**80.0**			

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8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1

Our Lab I.D.			Method Blank	84252.06	84252.09	84252.15	84252.19
Client Sample I.D.				B3-1'	B3-4'	B1-3'	B1-15'
Date Sampled				08/19/2016	08/19/2016	08/19/2016	08/19/2016
Date Prepared			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			08/23/2016	08/23/2016	08/23/2016	08/23/2016	08/23/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			Method Blank	84252.06	84252.09	84252.15	84252.19
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		99.5	95.4	98.2	99.2	101

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Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1

Our Lab I.D.			**84252.20**	**84252.25**			
Client Sample I.D.			B2-1'	B2-10'			
Date Sampled			**08/19/2016**	**08/19/2016**			
Date Prepared			**08/23/2016**	**08/23/2016**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**08/23/2016**	**08/23/2016**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	**1.0**	**5.0**	**ND**	**ND**			
TPH as Heavy Hydrocarbons (C23-C40)	**1.0**	**5.0**	**ND**	**ND**			
TPH Total as Diesel and Heavy HC.C13-C40	**1.0**	**5.0**	**ND**	**ND**			
Our Lab I.D.			**84252.20**	**84252.25**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	**75-125**		**99.5**	**100**			

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0823162C2

Our Lab I.D.			Method Blank	84252.14			
Client Sample I.D.				B1-2'			
Date Sampled				08/19/2016			
Date Prepared			08/23/2016	08/23/2016			
Preparation Method			3050B	3050B			
Date Analyzed			08/24/2016	08/24/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Lead	2.5	5.0	ND	ND			

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8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2

Our Lab I.D.			Method Blank	84252.06	84252.20		
Client Sample I.D.				B3-1'	B2-1'		
Date Sampled				08/19/2016	08/19/2016		
Date Prepared			08/23/2016	08/23/2016	08/23/2016		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			08/24/2016	08/24/2016	08/24/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	6.41	ND		
Barium	2.5	5.0	ND	64.5	47.7		
Beryllium	1.3	2.5	ND	ND	ND		
Cadmium	1.3	2.5	ND	ND	ND		
Chromium	2.5	5.0	ND	15.5	12.1		
Cobalt	2.5	5.0	ND	7.03	5.83		
Copper	2.5	5.0	ND	10.1	9.47		
Lead	2.5	5.0	ND	4.66J	ND		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.5	5.0	ND	ND	ND		
Nickel	2.5	5.0	ND	9.20	7.37		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.5	5.0	ND	ND	ND		
Thallium	1.0	5.0	ND	ND	ND		
Vanadium	2.5	5.0	ND	33.0	27.4		
Zinc	2.5	5.0	ND	50.4	36.7		

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	**3.60**	**50.0**	**41.1**	**75.0**	**50.0**	**40.9 #**	**74.6**	**<1**	**75-125**	**<15**

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	**50.0**	**46.4**	**92.8**	**50.0**	**46.5**	**93.0**	**<1**	**75-125**	**<15**	

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Site

8230 Pacific Street
Stanton, CA 90680

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	40.4	80.8	50.0	40.8	81.6	<1	75-125	<15
Arsenic	2.32	50.0	43.3	82.0	50.0	43.6	82.6	<1	75-125	<15
Barium	66.2	50.0	115	97.6	50.0	115	97.6	<1	75-125	<15
Beryllium	0.00	50.0	47.1	94.2	50.0	46.9	93.8	<1	75-125	<15
Cadmium	0.00	50.0	40.5	81.0	50.0	40.8	81.6	<1	75-125	<15
Chromium	9.63	50.0	55.0	90.7	50.0	55.1	90.9	<1	75-125	<15
Cobalt	5.58	50.0	48.2	85.2	50.0	48.3	85.4	<1	75-125	<15
Copper	15.0	50.0	59.2	88.4	50.0	59.4	88.8	<1	75-125	<15
Lead	3.60	50.0	41.1	75.0	50.0	40.9 #	74.6	<1	75-125	<15
Mercury (By EPA 7471)	0.00	0.500	0.720#	144	0.500	0.725#	145	<1	75-125	<15
Molybdenum	0.00	50.0	42.5	85.0	50.0	42.7	85.4	<1	75-125	<15
Nickel	7.47	50.0	46.7	78.5	50.0	47.1	79.3	1.01	75-125	<15
Selenium	0.00	50.0	35.2 #	70.4	50.0	35.2 #	70.4	<1	75-125	<15
Silver	0.00	50.0	41.0	82.0	50.0	41.3	82.6	<1	75-125	<15
Thallium	0.00	50.0	36.6 #	73.2	50.0	36.3 #	72.6	<1	75-125	<15
Vanadium	21.0	50.0	67.4	92.8	50.0	67.9	93.8	1.07	75-125	<15
Zinc	34.3	50.0	74.8	81.0	50.0	75.2	81.8	<1	75-125	<15

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	50.0	45.0	90.0	50.0	44.6	89.2	<1	75-125	<15	
Arsenic	50.0	46.3	92.6	50.0	46.2	92.4	<1	75-125	<15	
Barium	50.0	47.0	94.0	50.0	46.8	93.6	<1	75-125	<15	
Beryllium	50.0	52.8	106	50.0	53.2	106	<1	75-125	<15	
Cadmium	50.0	47.5	95.0	50.0	47.5	95.0	<1	75-125	<15	
Chromium	50.0	46.9	93.8	50.0	46.8	93.6	<1	75-125	<15	
Cobalt	50.0	47.3	94.6	50.0	47.2	94.4	<1	75-125	<15	
Copper	50.0	47.3	94.6	50.0	47.1	94.2	<1	75-125	<15	
Lead	50.0	46.4	92.8	50.0	46.5	93.0	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0823162C2; Dup or Spiked Sample: 84258.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/24/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Mercury (By EPA 7471)	**0.500**	**0.595**	**119**	**0.500**	**0.590**	**118**	**<1**	**75-125**	**<15**	
Molybdenum	**50.0**	**46.7**	**93.4**	**50.0**	**46.9**	**93.8**	**<1**	**75-125**	**<15**	
Nickel	**50.0**	**47.1**	**94.2**	**50.0**	**46.9**	**93.8**	**<1**	**75-125**	**<15**	
Selenium	**50.0**	**48.3**	**96.6**	**50.0**	**48.1**	**96.2**	**<1**	**75-125**	**<15**	
Silver	**50.0**	**47.9**	**95.8**	**50.0**	**47.8**	**95.6**	**<1**	**75-125**	**<15**	
Thallium	**50.0**	**49.2**	**98.4**	**50.0**	**49.3**	**98.6**	**<1**	**75-125**	**<15**	
Vanadium	**50.0**	**48.2**	**96.4**	**50.0**	**48.2**	**96.4**	**<1**	**75-125**	**<15**	
Zinc	**50.0**	**46.9**	**93.8**	**50.0**	**47.0**	**94.0**	**<1**	**75-125**	**<15**	

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Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0823162A1; Dup or Spiked Sample: 84251.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/23/2016; Units: ug/Kg

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.0	40.7	81.4	50.0	41.5	83.0	1.95	75-125	<20	
Chlorobenzene	50.0	40.1	80.2	50.0	40.0	80.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	45.3	90.6	50.0	46.2	92.4	1.97	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	46.0	92.0	50.0	46.1	92.2	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	40.2	80.4	50.0	40.0	80.0	<1	75-125	<20	
Trichloroethene	50.0	47.7	95.4	50.0	46.6	93.2	2.33	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	52.3	105	50.0	52.7	105	<1	75-125	<20	
Dibromofluoromethane	50.0	52.9	106	50.0	52.1	104	1.89	75-125	<20	
Toluene-d8	50.0	49.1	98.2	50.0	48.9	97.9	<1	75-125	<20	

QC Batch No: 0823162A1; Dup or Spiked Sample: 84251.01; LCS: Clean Sand; QC Prepared: 08/23/2016; QC Analyzed: 08/23/2016; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Benzene	50.0	48.5	97.0	50.0	49.0	98.0	1.03	75-125	<20	
Chlorobenzene	50.0	49.2	98.4	50.0	49.5	99.0	<1	75-125	<20	
1,1-Dichloroethene	50.0	50.4	101	50.0	55.8	112	10.3	75-125	<20	
Methyl-tert-butyl ether (MTBE)	50.0	53.8	108	50.0	54.5	109	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	47.7	95.4	50.0	48.5	97.0	1.66	75-125	<20	
Trichloroethene	50.0	50.9	102	50.0	51.3	103	<1	75-125	<20	
LCS										
Chloroform (Trichloromethane)	50.0	56.1	112	50.0	56.8	114	1.77	75-125	<20	
Ethylbenzene	50.0	48.4	96.8	50.0	49.3	99.0	2.25	75-125	<20	
1,1,1-Trichloroethane	50.0	56.2	112	50.0	56.3	113	<1	75-125	<20	
o-Xylene	50.0	45.3	90.6	50.0	46.0	92.0	1.53	75-125	<20	
m,p-Xylenes	100	92.3	92.3	100	94.1	94.1	1.93	75-125	<20	
Surrogates										
Bromofluorobenzene	50.0	51.2	102	50.0	50.9	102	<1	75-125	<20	
Dibromofluoromethane	50.0	50.6	101	50.0	50.6	101	<1	75-125	<20	
Toluene-d8	50.0	47.3	94.5	50.0	47.4	94.7	<1	75-125	<20	

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QUALITY CONTROL RESULTS

Ordered By

Advantage Environmental Consultants
145 Vallecitos De Oro
Suite 201
San Marcos, CA 92069-

Telephone: (760)744-3363
Attn: Dan Weis

Site

8230 Pacific Street
Stanton, CA 90680

Page: **15**

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 082316PB1; Dup or Spiked Sample: 84251.26; LCS: Clean Sand; QC Prepared: 08/23/2016;MS Analyzed: 08/24/2016; LCS Analyzed: 08/23/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	478	95.6	500	480	96.0	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	94.7	94.7	100	94.2	94.2	<1	75-125	<20

QC Batch No: 082316PB1; Dup or Spiked Sample: 84251.26; LCS: Clean Sand; QC Prepared: 08/23/2016;MS Analyzed: 08/24/2016; LCS Analyzed: 08/23/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	487	97.4	500	478	95.6	1.87	75-125	<20	
Surrogates										
Chlorobenzene	100	93.8	93.8	100	92.6	92.6	1.28	75-125	<20	

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8230 Pacific Street
Stanton, CA 90680

Page: **16**

Project ID: 16-148SD
Project Name: 8230 Pacific Street

AETL Job Number	Submitted	Client
84252	08/19/2016	AEC

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 082216OB1; Dup or Spiked Sample: 84252.06AGA; LCS: Clean Sand; QC Prepared: 08/22/2016;MS Analyzed: 08/23/2016; LCS Analyzed: 08/22/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.940	94.4	1.00	0.900	90.0	4.77	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0411	82.2	0.0500	0.0408	81.6	<1	75-125	<20

QC Batch No: 082216OB1; Dup or Spiked Sample: 84252.06AGA; LCS: Clean Sand; QC Prepared: 08/22/2016;MS Analyzed: 08/23/2016; LCS Analyzed: 08/22/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.900	89.6	1.00	0.830	83.1	7.53	75-125	<20	
Surrogates										
Bromofluorobenzene	0.0500	0.0421	84.2	0.0500	0.0414	82.8	1.66	75-125	<20	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

California Regional Water Quality Control Board/DTSC

Laboratory Report Form (Cover Page 1)

Laboratory Name:	Baseline Analytical Services
Address:	P.O. Box 2243 Huntington Beach, California 92647
Telephone:	(714) 273-2955
ELAP Certification Number:	2284 Expiration Date: January 31, 2018
Authorized Signature Name, Title (print)	Brian Kato, Laboratory Director
Signature, Date	Brian K. Kato, 8/23/16
Client Name:	Advantage Environmental Consultants, LLC
Project Name:	8230 Pacific Street
Project Address:	8230 Pacific Street Stanton, California
Date(s) Sampled:	8/19/16
Date(s) Received:	8/19/16
Date(s) Reported:	8/19/16
Chain of Custody Received:	Yes
Comments:	Sample Matrix: Vapor

California Regional Water Quality Control Board/DTSC

Laboratory Report Form (Cover Page 2)

Organic Analyses	Number of Samples	Number of Samples Subcontracted
VOC's (EPA 8260B)	10 Samples (Includes samples, duplicates, & blanks)	0

Sample Condition: good

Inorganic Analyses	Number of Samples	Number of Samples Subcontracted

Sample Condition:

Microbiological Analyses	Number of Samples	Number of Samples Subcontracted

Sample Condition:

Other Types of Analyses	Number of Samples	Number of Samples Subcontracted

Sample Condition:

Project Name: 8230 Pacific Street

(MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS (Units: µg/L)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: µg/L

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV1-5'**	**SV2-5'**	**SV3-5'**	**SV4-5'**	**SV5-5'**	**SV6-5'**
EXTRACTION GAS			Helium	Helium	Helium	Helium	Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1	1	1	1
ANALYTE	MDL	PQL						
Benzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Toluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Ethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Total Xylenes	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Methyl t-Butyl Ether (MTBE)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
t-Butanol (TBA)	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
Di-Isopropyl Ether (DIPE)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethyl t-Butyl Ether (ETBE)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
t-Amyl Methyl Ether (TAME)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethanol	25	50	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25
Acetone	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
2-Butanone (MEK)	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
n-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
sec-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
tert-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Isopropyl Alchohol	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
Isopropylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
p-isopropyltoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
4-Methyl-9-pentanone (MIBK)	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
Naphthalene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
n-Propylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Styrene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2,4-Trimethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,3,5-Trimethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Bromobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Bromochloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Bromoform	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Bromomethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Carbon Tetrachloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
2-Chlorotoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
4-Chlorotoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Chlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Chloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Chloroform	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Chloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Dibromochloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2-Dibromo-10-Chloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2-Dibromoethane (EDB)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Dibromomethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS (Units: µg/L)

METHOD: EPA 8260B MATRIX: Vapor **REPORTING UNITS: µg/L**

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV1-5'**	**SV2-5'**	**SV3-5'**	**SV4-5'**	**SV5-5'**	**SV6-5'**
EXTRACTION GAS			Helium	Helium	Helium	Helium	Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1	1	1	1
ANALYTE	MDL	PQL						
1,2-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,3-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,4-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Dichlorodifluoromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1-Dichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2-Dichloroethane (EDC)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
cis-1,2-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
trans-1,2-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,3-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
2,2-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
cis-1,3-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
trans-1,3-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Freon 113	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Hexachlorobutadiene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Methylene Chloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Tetrachloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1,1,2-Tetrachloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1,2,2-Tetrachloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2,3-Trichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2,4-Trichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1,1-Trichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,1,2-Trichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Trichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Trichlorofluoromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
1,2,3-Trichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Vinyl Chloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
IPA (tracer ANALYTE)	2.5	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS (Units: µg/L)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: µg/L

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV7-5'**	**SV8-5'**	**SV8-5' DUP**		**Equipment Blank**	**Method Blank**
EXTRACTION GAS			Helium	Helium	Helium		Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030		EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1		1	1
ANALYTE	MDL	PQL						
Benzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Toluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Ethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Total Xylenes	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Methyl t-Butyl Ether (MTBE)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
t-Butanol (TBA)	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5
Di-Isopropyl Ether (DIPE)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
Ethyl t-Butyl Ether (ETBE)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
t-Amyl Methyl Ether (TAME)	0.50	2.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
Ethanol	25	50	ND<25	ND<25	ND<25		ND<25	ND<25
Acetone	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5
2-Butanone (MEK)	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5
n-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
sec-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
tert-Butylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Isopropyl Alchohol	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5
Isopropylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
p-isopropyltoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
4-Methyl-9-pentanone (MIBK)	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5
Naphthalene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
n-Propylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Styrene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2,4-Trimethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,3,5-Trimethylbenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Bromobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Bromochloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Bromoform	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Bromomethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Carbon Tetrachloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
2-Chlorotoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
4-Chlorotoluene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Chlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Chloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Chloroform	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Chloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Dibromochloromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2-Dibromo-10-Chloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2-Dibromoethane (EDB)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Dibromomethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS (Units: µg/L)

METHOD: EPA 8260B MATRIX: Vapor **REPORTING UNITS: µg/L**

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV7-5'**	**SV8-5'**	**SV8-5' DUP**		**Equipment Blank**	**Method Blank**
EXTRACTION GAS			Helium	Helium	Helium		Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030		EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1		1	1
ANALYTE	MDL	PQL						
1,2-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,3-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,4-Dichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Dichlorodifluoromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1-Dichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2-Dichloroethane (EDC)	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
cis-1,2-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
trans-1,2-Dichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,3-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
2,2-Dichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
cis-1,3-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
trans-1,3-Dichloropropene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Freon 113	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Hexachlorobutadiene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Methylene Chloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Tetrachloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1,1,2-Tetrachloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1,2,2-Tetrachloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2,3-Trichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2,4-Trichlorobenzene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1,1-Trichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,1,2-Trichloroethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Trichloroethene	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Trichlorofluoromethane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
1,2,3-Trichloropropane	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
Vinyl Chloride	0.050	0.10	ND<0.050	ND<0.050	ND<0.050		ND<0.050	ND<0.050
IPA (tracer ANALYTE)	2.5	10	ND<2.5	ND<2.5	ND<2.5		ND<2.5	ND<2.5

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

QA/QC Report - Vapor Samples

II. Lab Control Sample (LCS)/Lab Control Sample Duplicate (LCSD)

Date Performed: 8/19/16
Batch #: GCVOC1-19AUG2016
Instrument ID: GCVOC1
Analytical Method: 8260B
Units: ug/L

Analyte	Sample Result	Spike Conc.	LCS	%LCS	Spike Conc.	LCSD	%LCSD	RPD	LCS/LCSD Limit	RPD Limit
1,1-Dichloroethene	ND	10	9.2	92	10	8.7	87	6	65-130	0-15
Benzene	ND	10	9.1	91	10	9.4	94	3	65-130	0-15
Trichloroethene	ND	10	9.7	97	10	9.9	99	2	65-130	0-15
Toluene	ND	10	9.0	90	10	9.3	93	3	65-130	0-15
Chlorobenzene	ND	10	8.7	87	10	9.1	91	4	65-130	0-15

ATTACHMENT:

(1) Results in Units of Parts Per Million by Volume (PPMv)

(2) Chain-of-Custody (C-O-C)

(3) Field Notes

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS Units: (PPMv)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: PPMv

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV1-5'**	**SV2-5'**	**SV3-5'**	**SV4-5'**	**SV5-5'**	**SV6-5'**
EXTRACTION GAS			Helium	Helium	Helium	Helium	Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1	1	1	1
ANALYTE	MDL	PQL						
Benzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Toluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Ethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Total Xylenes	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Methyl t-Butyl Ether (MTBE)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
t-Butanol (TBA)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Di-Isopropyl Ether (DIPE)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10
Ethyl t-Butyl Ether (ETBE)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10
t-Amyl Methyl Ether (TAME)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10
Ethanol	5.0	10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
Acetone	0.50	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
2-Butanone (MEK)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
n-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
sec-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
tert-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Isopropyl Alchohol	0.50	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Isopropylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
p-isopropyltoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
4-Methyl-9-pentanone (MIBK)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Naphthalene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
n-Propylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Styrene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2,4-Trimethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,3,5-Trimethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Bromobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Bromochloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Bromoform	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Bromomethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Carbon Tetrachloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
2-Chlorotoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
4-Chlorotoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Chlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Chloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Chloroform	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Chloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Dibromochloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2-Dibromo-10-Chloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2-Dibromoethane (EDB)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Dibromomethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS Units: (PPMv)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: PPMv

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV1-5'**	**SV2-5'**	**SV3-5'**	**SV4-5'**	**SV5-5'**	**SV6-5'**
EXTRACTION GAS			Helium	Helium	Helium	Helium	Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1	1	1	1
ANALYTE	MDL	PQL						
1,2-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,3-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,4-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Dichlorodifluoromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1-Dichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2-Dichloroethane (EDC)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
cis-1,2-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
trans-1,2-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,3-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
2,2-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
cis-1,3-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
trans-1,3-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Freon 113	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Hexachlorobutadiene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Methylene Chloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Tetrachloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1,1,2-Tetrachloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1,2,2-Tetrachloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2,3-Trichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2,4-Trichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1,1-Trichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,1,2-Trichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Trichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Trichlorofluoromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
1,2,3-Trichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Vinyl Chloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
IPA (tracer ANALYTE)	0.5	1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS Units: (PPMv)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: PPMv

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV7-5'**	**SV8-5'**	**SV8-5' DUP**		**Equipment Blank**	**Method Blank**
EXTRACTION GAS			Helium	Helium	Helium		Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030		EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1		1	1
ANALYTE	MDL	PQL						
Benzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Toluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Ethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Total Xylenes	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Methyl t-Butyl Ether (MTBE)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
t-Butanol (TBA)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
Di-Isopropyl Ether (DIPE)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10		ND<0.10	ND<0.10
Ethyl t-Butyl Ether (ETBE)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10		ND<0.10	ND<0.10
t-Amyl Methyl Ether (TAME)	0.10	0.20	ND<0.10	ND<0.10	ND<0.10		ND<0.10	ND<0.10
Ethanol	5.0	10	ND<5.0	ND<5.0	ND<5.0		ND<5.0	ND<5.0
Acetone	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
2-Butanone (MEK)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
n-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
sec-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
tert-Butylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Isopropyl Alchohol	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
Isopropylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
p-isopropyltoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
4-Methyl-9-pentanone (MIBK)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50
Naphthalene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
n-Propylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Styrene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2,4-Trimethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,3,5-Trimethylbenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Bromobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Bromochloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Bromoform	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Bromomethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Carbon Tetrachloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
2-Chlorotoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
4-Chlorotoluene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Chlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Chloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Chloroform	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Chloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Dibromochloromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2-Dibromo-10-Chloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2-Dibromoethane (EDB)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Dibromomethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Project Name: 8230 Pacific Street (MS Excel Duplicate of RWQCB LabForm10A; Ver12/96)

ANALYTICAL RESULTS FOR ORGANICS Units: (PPMv)

METHOD: EPA 8260B MATRIX: Vapor REPORTING UNITS: PPMv

DATE ANALYZED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
DATE EXTRACTED			19-Aug-16	19-Aug-16	19-Aug-16		19-Aug-16	19-Aug-16
CLIENT SAMPLE I.D			**SV7-5'**	**SV8-5'**	**SV8-5' DUP**		**Equipment Blank**	**Method Blank**
EXTRACTION GAS			Helium	Helium	Helium		Helium	Helium
EXTRACTION METHOD			EPA 5030	EPA 5030	EPA 5030		EPA 5030	EPA 5030
DILUTION FACTOR			1	1	1		1	1
ANALYTE	MDL	PQL						
1,2-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,3-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,4-Dichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Dichlorodifluoromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1-Dichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2-Dichloroethane (EDC)	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
cis-1,2-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
trans-1,2-Dichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,3-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
2,2-Dichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
cis-1,3-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
trans-1,3-Dichloropropene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Freon 113	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Hexachlorobutadiene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Methylene Chloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Tetrachloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1,1,2-Tetrachloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1,2,2-Tetrachloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2,3-Trichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2,4-Trichlorobenzene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1,1-Trichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,1,2-Trichloroethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Trichloroethene	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Trichlorofluoromethane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
1,2,3-Trichloropropane	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
Vinyl Chloride	0.010	0.020	ND<0.010	ND<0.010	ND<0.010		ND<0.010	ND<0.010
IPA (tracer ANALYTE)	0.50	1.0	ND<0.50	ND<0.50	ND<0.50		ND<0.50	ND<0.50

ND: Not detected at the indicated Method Detection Limit (MDL)

J: Value is below Practical Quantification Limit and above the Method Detection Limit (MDL)

Advantage Environmental Consultant	Project Name: 8230 Pacfic Street
145 Vallecitos De Oro, Suite 201	Project Address: 8230 Pacific Street
San Marcos, CA 92069	Stanton, California
Phone: 760.275.9229	Project Number: 16-148SD
Contact: Dan Weis	

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Laboratory Project #: **16280**

Sample ID	Date	Time	Lab ID	Soil (S), Water (W), Vapor (V)	Analysis: VOC's (8260B)	Number of Containers	Comments
Equipment Blank	19-Aug-16	1330	1	V	X	1	
SV5-5'	19-Aug-16	1345	2	V	X	1	
SV4-5'	19-Aug-16	1330	3	V	X	1	
SV6-5'	19-Aug-16	1345	4	V	X	1	
SV8-5'	19-Aug-16	1400	5	V	X	1	
SV8-5' DUP	19-Aug-16	1400	6	V	X	1	
SV7-5'	19-Aug-16	1412	7	V	X	1	
SV3-5'	19-Aug-16	1500	8	V	X	1	
SV1-5'	19-Aug-16	1515	9	V	X	1	
SV2-5'	19-Aug-16	1530	10	V	X	1	

Turnaround Time:

Sample Condition: Chilled? Y / N Sealed? Y / N Comments:

Sampled & Analyzed by:
DATE/TIMES ABOVE

signature: X

of Baseline Analytical Services

Special Instructions/Comments:

Leak Detection Compound: IPA

BASELINE ON-SITE ANALYSIS™
P. O. Box 2243
Huntington Beach, California 92647
Phone: (714) 273-2955

Field Notes

Client Information	*Project Information*		*Baseline Analytical Information*	
Advantage Environmental Consultants, LLC	Project Name	8230 Pacific Street	Analyst Name	Brian Kato
145 Vallecitos De Oro, Suite 201	Project Address	8230 Pacific Street	Telephone Number	
San Marcos, CA 92069		Stanton, California		714.273.2955
	Start Time:	8/19/16, 1330	E-mail Address:	BrianKato@MSN.com
Report to: Dan Weis				

(1) Site Conditions: At 1330, the temperature is 83 degrees F; clear skies.

(2) Vapor Well Construction:

A probe tip is set in a sand pack with Teflon tubing leading to the surface. The tubing ends are sealed with gas-tight plugs. All probes areoutside

Sand Pack Specifications:

		Converts to: (cm)
Diameter: 2	inches	5.08
Height: 1	feet	30.48
Material: Sand		

Tubing Specifications:

		Converts to: (cm)
Outer Diameter 0.25	inches	0.635
Inner Diameter: 0.19	inches	0.483
Lengths: 5'		

(3) Purge Volume & Time Calculation

Component	Diameter	X-Sect Area	Length or Height	Length or Height	Volume	Sand Pack times 0.35 porosity Volume	Tubing Purge Volumes (ml) 1 pv	(ml) 3 pv	(ml) 10 pv
	(cm)	(cm^2)	(feet)	(cm)	(ml)	(ml)			
Tubing	0.483	0.183	5	152	27.9	---	28	84	279
Sand Pack	5.08	20.27	1	30.5	618	216	216	649	2162
						Flow rate (ml/min):	200	200	200
						BGS: Purge Time (minutes):	1.22	3.66	12.21

Purge Time Calculation:

Total PV = Sand Pack Volume + Tubing Volume

Purge Time = (Total PV)/Flowrate

Purge Time (minutes)

Purge Volume: Based on the 7/15/15 DTSC Soil Gas Advisory, *remove 3 purge volumes prior to each sample collection (purge times shown above).*

(4) Pump Specifications

Pump Model: AIRCHEK SAMPLER
Vender: SKC, Inc.
Model Number: 224-PCXR4

Description: A portable battery-powered pump with an adjustable flow-rate and a built-in flow indicator, meter, & timer. The flow was set for a fixed rate of 200ml/min.

Comments/Observations/Special Instructions:	Sampled and Analyzed by
	signature: X

BASELINE ONSITE ANALYSIS™

Baselie Analytical Services
P. O. Box 2243
Huntington Beach, California 92647

Phone: (714) 273-2955