* Report for Adjacent Property * RO-207

Treadwell&Rollo

14 October 2004
Project 1638.07

Mr. William Howard
Berkeley Asphalt and Ready Mix Company
699 Virginia Street
Berkeley, California 94701

Subject: Limited Environmental Site Characterization
7999 Athenour Way
Sunol, California

Dear Mr. Howard:

This letter report presents the results of Treadwell & Rollo's limited environmental site characterization performed at the 7999 Athenour Way property in Sunol, California (Figure 1). The site is approximately 6.4 acres and currently operates as a concrete batch plant containing hoppers, conveyors, silos, a maintenance shop, storage areas, vehicle storage, and vehicle cleaning areas.

PREVIOUS ENVIRONMENTAL STUDIES

We have reviewed environmental reports entitled *Environmental Baseline Documentation, Mission Valley Ready Mix Company, 7999 Athenour Way, Sunol, California* dated 18 August 2004 prepared by The Denali Group of Pleasant Hill, California and parts of *Executive Summary, Phase I Environmental Site Assessment, Mission Valley Ready Mix Company – Sunol Plant, 7999 Athenour Way, Sunol, CA* dated 23 August 2004 prepared by Resource Management Associates, Inc. (RMA) of Forked River, New Jersey regarding the site history, current site use, and chemical handling.

Reportedly, Mission Valley Concrete has operated the concrete plant since 1990. Prior uses of the site have been part of a larger quarry operation from 1961 until approximately 1990. The site was used for agricultural purposes prior to 1961. The site maintains current environmental documentation for air, water, hazardous materials and management plans required by regulatory agencies.

In both environmental reports reviewed, no recognized environmental concerns were noted nor were additional investigations required but each stated that the area where independent contractor's store equipment should be cleaned up and the collection and disposal of orphaned chemical products and waste containers be performed.

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Also, three former underground storage tanks (UST) (two 10,000-gallon diesel tanks and one 2,000-gallon gasoline tank) were removed from the nearby Mission Valley Rock site quarry site in May and June 1996. Petroleum hydrocarbon contamination has been detected in the groundwater and quarterly groundwater monitoring is on-going. The UST case is open and under the regulatory oversight of Alameda County Health Care Services - Environmental Health Services (ACHCS-EHS). A workplan was submitted to ACHCS-EHS on 19 May 2004 for the installation and sampling of additional groundwater monitoring wells. At this time, no other information was available in regards to the acceptance of the workplan by ACHCS-EHS.

SCOPE AND PURPOSE

Our work included collecting soil and/or groundwater samples from 10 exploratory borings, conducting chemical testing of selected samples, and evaluating the test results. The site is not currently under regulatory agency requirements to conduct soil or groundwater characterization. The purpose of the characterization work was to assess the presence of petroleum hydrocarbons, heavy metals and other potential contaminants in the soil and/or groundwater, if any.

SUBSURFACE INVESTIGATION

On 10 September 2004, ten exploratory borings (TR-1 through TR-10) were advanced to depths ranging from 5-1/2 to 20 feet below the ground surface (bgs) at locations shown on Figure 2. The borings were completed by Gregg Drilling of Martinez, California utilizing a truck mounted rig equipped with six-inch-diameter hollow stem augers. All soil samples were obtained using a California Modified split-barrel sampler with a 2.5-inch-outside diameter, 2.0-inch-inside diameter, lined with three stainless steel tubes.

After the sampler was driven, selected six-inch, stainless-steel lined sample cores were retained for chemical analyses. The sample ends were covered with Teflon®, sealed with plastic end caps, labeled and stored in an ice-cooled chest for delivery to the analytical laboratory. All samples were delivered under chain-of-custody control to McCampbell Laboratory, Inc., a California Department of Health Services certified analytical laboratory in Pacheco, California. Boring logs from this investigation are presented in Appendix A as Figures A-1 through A-10. The material encountered was classified according to the soil classification system described on Figure A-11.

Following the collection of soil samples from borings TR-1 and TR-10, grab groundwater samples were collected. After the soil sampling equipment was removed from the exploratory borings, a temporary well screen was placed into the open boring. Grab groundwater samples were collected using clean new disposable bailers. The groundwater samples were decanted into laboratory-prepared containers. The samples were labeled and placed in an ice-cooled chest for delivery to the analytical laboratory under chain-of-custody procedures.

SUBSURFACE CONDITIONS

Based on subsurface conditions encountered during this investigation, the site is underlain by sand and clay to the maximum depths explored. Groundwater stabilized in the borings at depths between approximately 13 and 15 feet below the ground surface (bgs).

ANALYTICAL TESTING

A total of thirty soil samples and two groundwater samples were submitted to McCampbell Analytical, Inc. Twenty of the soil samples and the two groundwater samples were analyzed for some or all of the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8021/8015;
- Methyl tert butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8021/8015;
- TPH as diesel (TPHd) by EPA Method 8015;
- TPH as motor oil (TPHmo) by EPA Method 8015;
- Total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1;
- Volatile organic compounds (VOCs) by EPA Method 8260;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- LUFT 5 metals by EPA Method 7000/6010;
- CAM 17 metals by EPA Method 7000/6010.

ANALYTICAL RESULTS

Soil

The soil analytical results are presented in Tables 1 and 2 and shown on Figures 3 and 4 and the certified laboratory report and chain-of-custody record is presented in Appendix B. No TPHg, MTBE, BTEX, VOCs, or SVOCs were detected at or above the method reporting limits in any of the soil samples analyzed, with the exception of toluene detected in soil sample TR-2-2.5 at a concentration of 12 micrograms per kilograms (µg/kg). TPHd was detected in 12 of the 20 soil samples analyzed at concentrations ranging from 1.0 milligram per kilograms (mg/kg) to

260 mg/kg. TPHmo was detected in 15 of the 20 soil samples analyzed at concentrations ranging from 5.5 mg/kg to 2,000 mg/kg, TRPH was detected in 17 of the 20 soil samples analyzed ranging from 6 mg/kg to 22,000 mg/kg.

Total lead was detected in all 18 samples analyzed at concentrations ranging from 6.7 mg/kg (TR-7 at 3 feet) to 280 mg/kg (TR-5 at 5 feet). The remaining metal concentrations appeared to be within normal[1] background ranges found in the western United States.

Groundwater

The groundwater analytical results are presented in Tables 3 and 4 and the certified laboratory report and chain-of-custody record is presented in Appendix B. No TPHg, MTBE, BTEX, VOCs, or SVOCs were detected at or above the method reporting limits in the groundwater samples analyzed. TPHd, TPHmo, and TRPH were detected in the groundwater sample collected from boring TR-10 only, at concentrations of 160 micrograms per liter (µg/l), 560 µg/l, and 6 µg/l, respectively. The metal concentrations appeared to be within normal[1] background ranges found in the western United States.

DISCUSSION

Currently, the site is occupied by a concrete ready mix plant and supporting structures. Exploratory borings indicate the site is underlain by sand, silts, and clay to maximum explored depth of 20 feet. Groundwater was encountered at depths between approximately 13 and 15 feet bgs.

There is no established State or Federal hazardous waste criteria for TPHd, TPHmo, or TRPH. The State of California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region have established environmental screening levels (ESL) for certain constituents (2003). The RWQCB developed the ESLs to indicate contaminant concentrations below which no mitigative action will generally need to be taken to address risk to public health or the environment, or meet other regulatory standards. The ESLs are considered conservative and under most circumstances, and within limitations, the presence of a chemical in soil, soil gas, or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant, long-term (chronic) threat to human health and the environment.

For purposes of this report, we have used the values presented in Table B-2, "Shallow Soil Screening Levels (<3m bgs) Commercial/Industrial Land Use, (potentially impacted groundwater is not a current or potential drinking water resource)" for evaluation of soil results.

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[1] "U.S.G.S. Professional Paper 1270, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States," 1984.

The ESL for TPHd (TPH middle distillates) is 500 mg/kg and for motor oil and TRPH (TPH residual fuels) is 1,000 mg/kg. The TPHd concentrations were below the ESL while TPHmo exceeded the ESL in one soil sample (TR-9-5) at a concentration of 2,000 mg/kg and TRPH exceeded the ESL in eight of the soil samples at concentrations ranging from 1,300 mg/kg (TR-7-5) to 22,000 mg/kg (TR-9-5).

The groundwater analytical results indicate that minor petroleum contamination exists beneath the site. TPHd, TPHmo, and TRPH were detected in the groundwater sample collected from exploratory boring TR-10 at concentrations of 160 µg/l, 560 µg/l, and 6 µg/l, respectively.

It is recommended that if construction is to occur at the site, the chemical concentration information be incorporated into a construction health and safety plan (HSP) so that proper worker health and safety procedures be implemented during future construction due to the levels of petroleum hydrocarbons detected at the site.

We appreciate the opportunity of being of service to you on this project. If you have any questions or require additional information, please call.

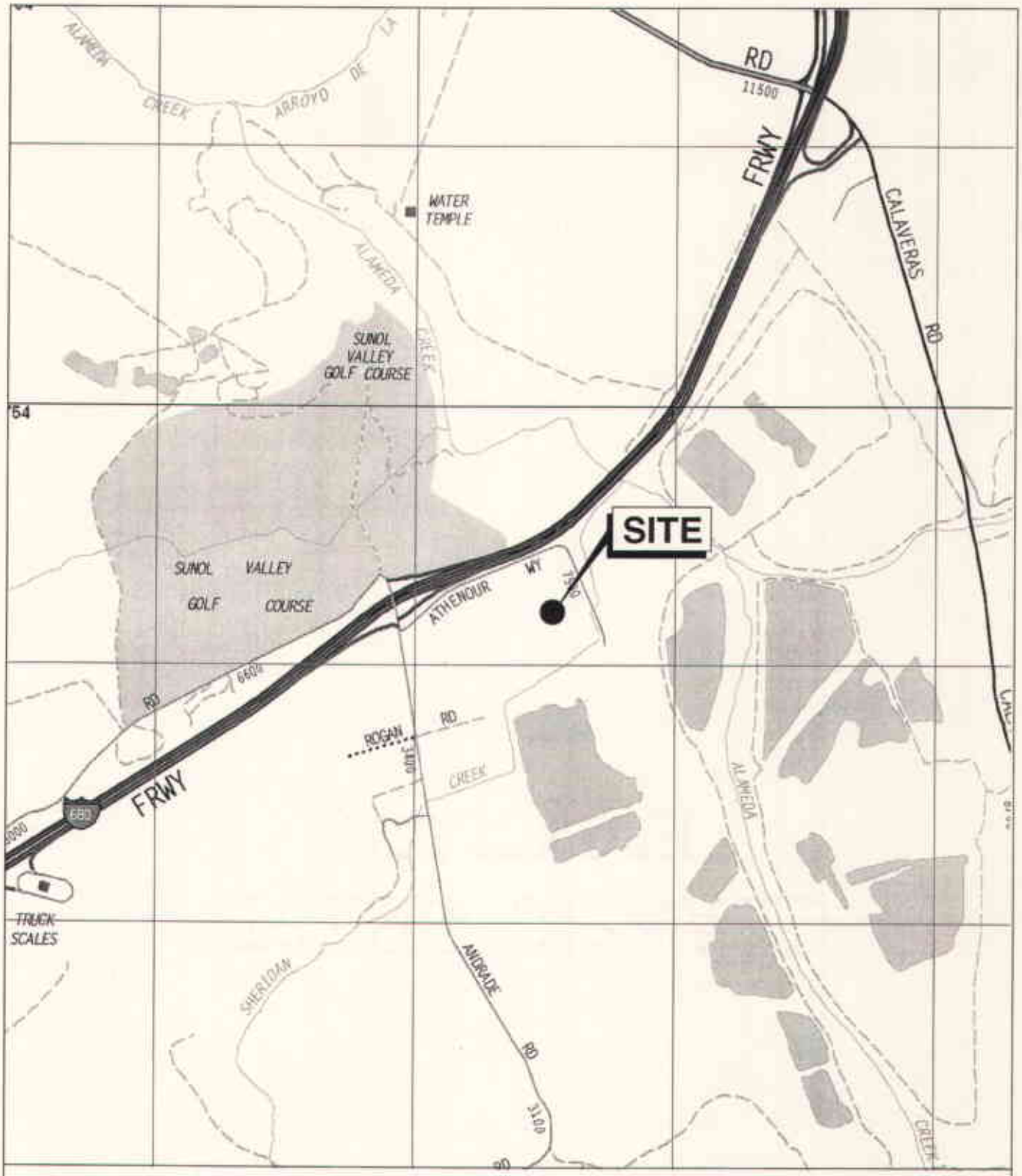
Sincerely yours,

TREADWELL & ROLLO, INC.

Peter J. Cusack
Senior Scientist

Brian K. Moore, PE
Senior Engineer

16380702.PJC



Base map: The Thomas Guide
Alameda County
1999

0 1/4 1/2 Mile

Approximate scale

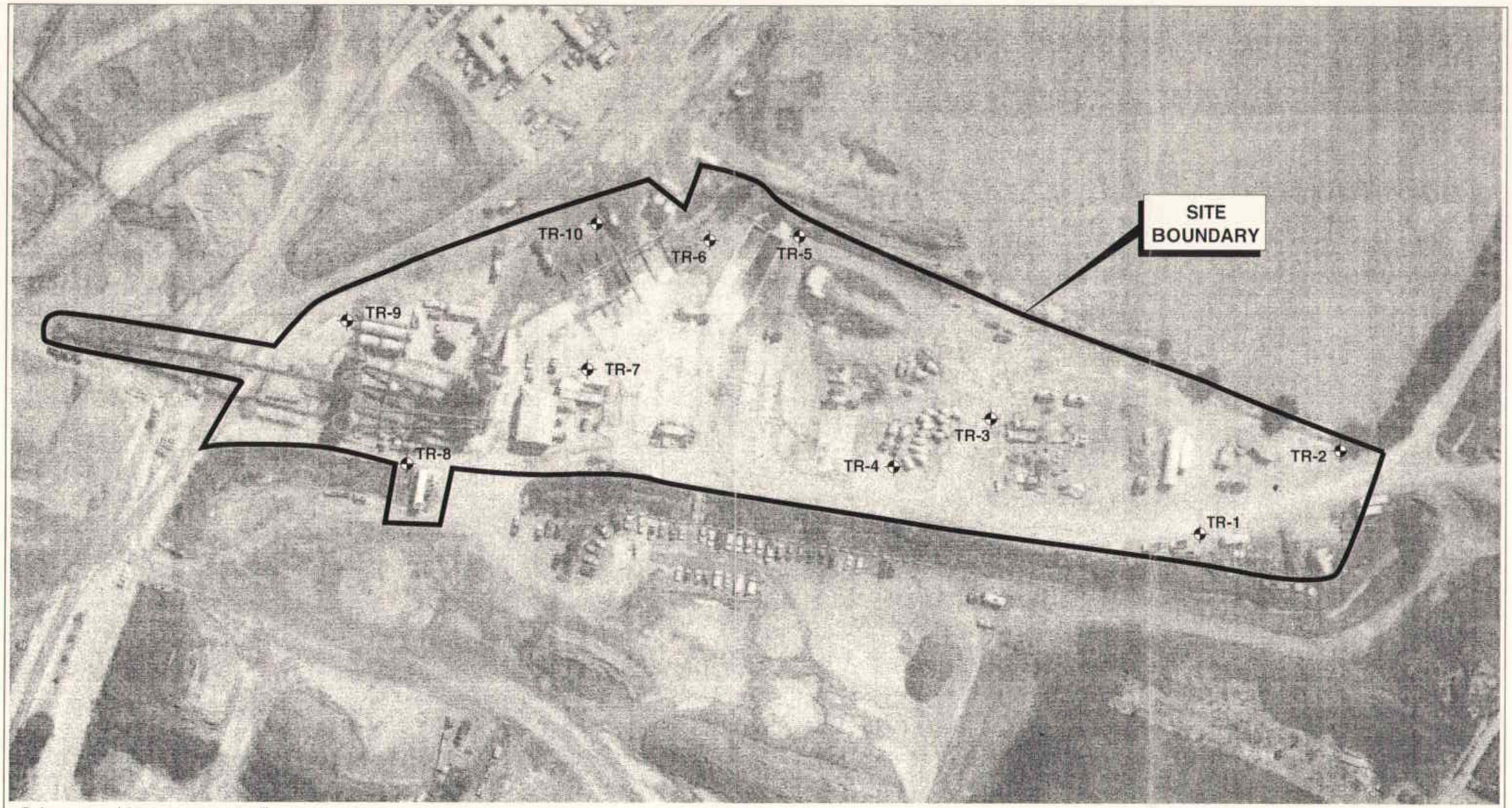
N

MISSION VALLEY ROCK
Sunol, California

SITE LOCATION MAP

Treadwell&Rollo

Date 09/16/04	Project No. 1638.07	Figure 1



Reference: Aerial Photography by Towill on March 31, 2004.

Explanation

TR-1 ⊕ **Approximate location of boring by Treadwell & Rollo, Inc., September 2004**

0 100 Feet

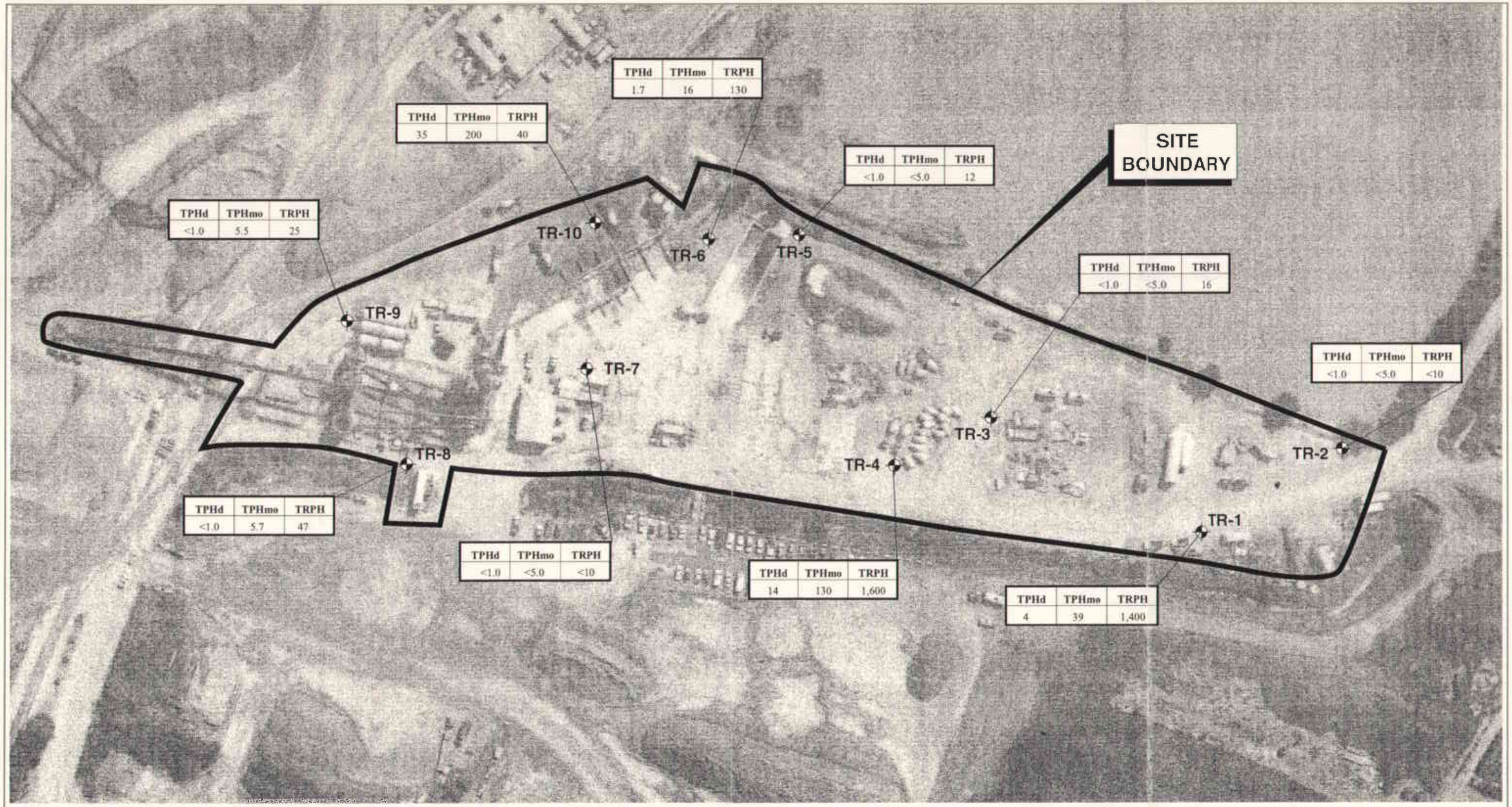
Approximate scale

MISSION VALLEY ROCK
Sunol, California

SITE PLAN

Date 09/16/04	Project No. 1638.07	Figure 2

Treadwell&Rollo



Reference: Aerial Photography by Towill on March 31, 2004.

Explanation

TR-1 ⊕ Approximate location of boring by Treadwell & Rollo, Inc., September 2004

Analytical results are reprted in milligrams per kilograms (mg/kg)

TPHd = Total Petroleum Hydrocardons as Diesel
TPHmo = Total Petroleum Hydrocardons as Motor Oil
TRPH = Total Recoverable Petroleum Hydrocarbons
<1.0 = Analyte was not detected above laboratory reporting limit

0 100 Feet
Approximate scale

MISSION VALLEY ROCK
Sunol, California

SITE PLAN WITH ANALYTICAL RESULTS AT DEPTH OF 2.5 - 3.0 FEET

Date 10/14/04	Project No. 1638.07	Figure 3

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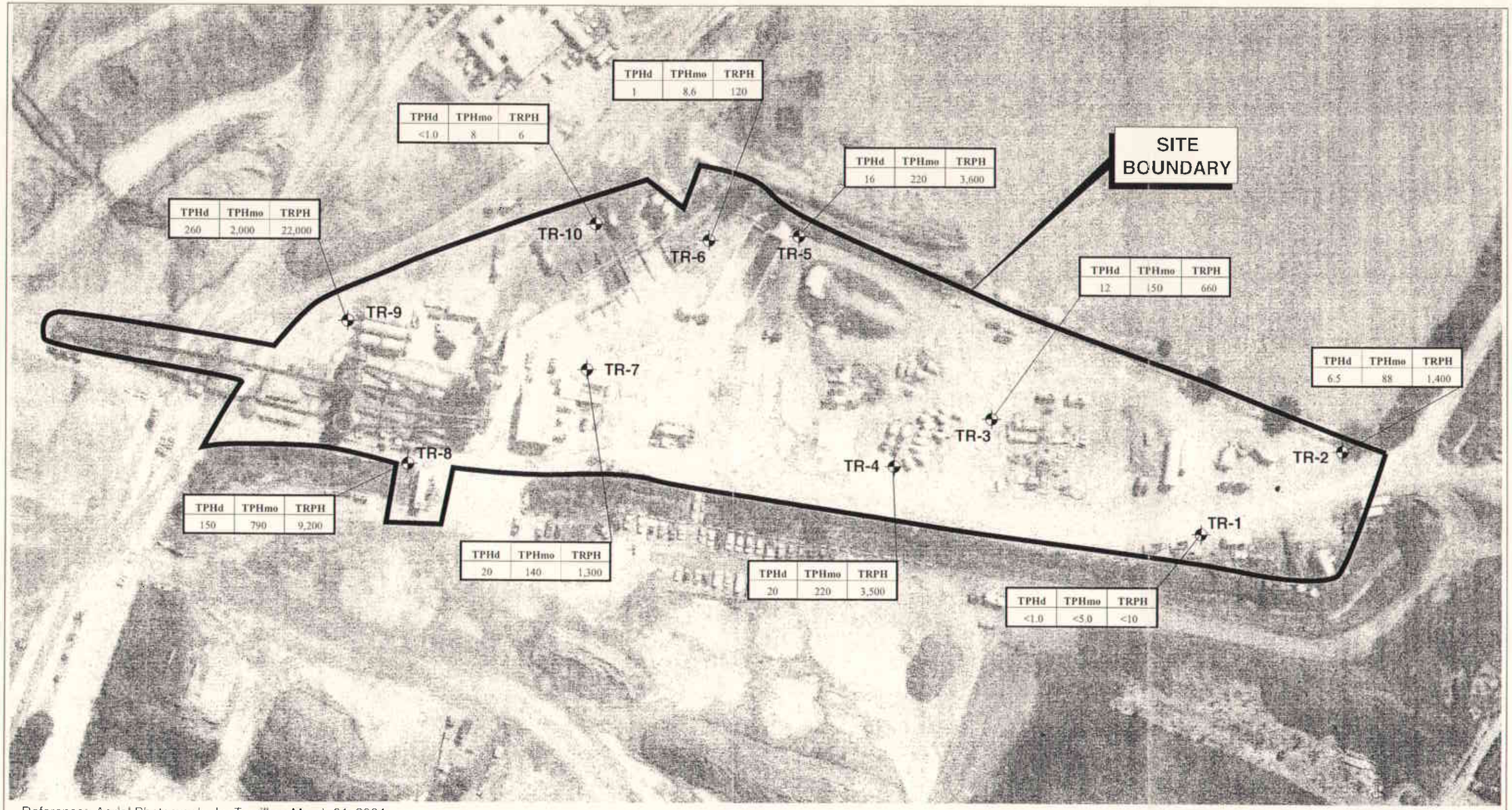

Reference: Aerial Photography by Towill on March 31, 2004.

Explanation

TR-1 ⊕ Approximate location of boring by Treadwell & Rollo, Inc., September 2004

Analytical results are reprted in milligrams per kilograms (mg/kg)

TPHd = Total Petroleum Hydrocardons as Diesel
TPHmo = Total Petroleum Hydrocardons as Motor Oil
TRPH = Total Recoverable Petroleum Hydrocarbons
<1.0 = Analyte was not detected above laboratory reporting limit

N

0 100 Feet

Approximate scale

MISSION VALLEY ROCK
Sunol, California

SITE PLAN WITH ANALYTICAL RESULTS AT DEPTH OF 5.0 FEET

Date 09/16/04	Project No. 1638.07	Figure 4

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Table 1
Soil Analytical Results for Petroleum Hydrocarbons
Mission Valley Ready Mix Company
Sunol, California

Sample ID	Sample Date	Sample Depth	TPHg	TPHd	TPHmo	TRPH	MTBE	Benzene	Toluene	Ethlybenzene	Xylenes	VOCs	SVOCs
TR-1-2.5	9/10/2004	2.5	<1.0	4	39	1,400	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-1-5.0	9/10/2004	5.0	<1.0	<1.0	<5.0	<10	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-2-2.5	9/10/2004	2.5	<1.0	<1.0	<5.0	<10	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	ND
TR-2-5.0	9/10/2004	5.0	<1.0	6.5	88	1,400	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-3-2.5	9/10/2004	2.5	<1.0	<1.0	<5.0	16	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND (1)	ND
TR-3-5.0	9/10/2004	5.0	<1.0	12	150	660	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-4-2.5	9/10/2004	2.5	<1.0	14	130	1,600	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	ND
TR-4-5.0	9/10/2004	5.0	<1.0	20	220	3,500	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-5-2.5	9/10/2004	2.5	<1.0	< 1.0	< 5.0	12	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	ND
TR-5-5.0	9/10/2004	5.0	<1.0	16	220	3,600	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-6-2.5	9/10/2004	2.5	<1.0	1.7	16	130	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-6-5.0	9/10/2004	5.0	<1.0	1	8.6	120	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	--
TR-7-3.0	9/10/2004	3.0	<1.0	< 1.0	< 5.0	<10	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-7-5.0	3/14/2004	5.0	<1.0	20	140	1,300	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	--
TR-8-2.5	9/10/2004	2.5	<1.0	<1.0	5.7	47	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	ND	ND
TR-8-5.0	9/10/2004	5.0	<1.0	150	790	9,200	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-9-2.5	9/10/2004	2.5	<1.0	<1.0	5.5	25	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	ND
TR-9-5.0	9/10/2004	5.0	<1.0	260	2,000	22,000	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-10-2.5	9/10/2004	2.5	<1.0	35	200	40	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--
TR-10-5.0	9/10/2004	5.0	<1.0	<1.0	8	6	<0.05	< 0.005	< 0.005	< 0.005	< 0.005	--	--

Notes:
All results are reported in milligrams per kilogram (mg/kg)
TPHg - Total Petroleum Hydrocarbons as Gasoline (C6-C12), EPA Method 8021/8015M
TPHd - Total Petroleum Hydrocarbons as Diesel (C10-C23), EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil (C18 +), EPA Method 8015M
TRPH - Total Recoverable Petroleum Hydrocarbons, EPA Method 418.1
MTBE - Methyl Tert Butyl Ether by EPA Method 8021
Benzene Toluene, Ethylbenzene, and Xylene by EPA Method 8021
VOCs - Volatile Organic Compounds, EPA 8260B
SVOCs - Semi Volatile Organic Compounds, EPA Method 8270
< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)
-- Not analyzed
ND - Not detected at or above the laboratory reporting limit
(1) Toluene was detected at a concentration of 12 micrograms per liter

Table 2
Soil Analytical Results for Total Metals
Mission Valley Ready Mix Company
Sunol, California

Sample ID	Date Collected	Sample Depth	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
TR-1-2.5	9/10/2004	2.5	--	--	--	--	3.7	61	--	--	100	--	--	56	--	--	--	--	88
TR-1-5.0	9/10/2004	5.0	--	--	--	--	ND	48	--	--	9.4	--	--	28	--	--	--	--	49
TR-3-2.5	9/10/2004	2.5	--	--	--	--	ND	52	--	--	9	--	--	30	--	--	--	--	50
TR-3-5.0	9/10/2004	5.0	--	--	--	--	ND	49	--	--	78	--	--	49	--	--	--	--	72
TR-4-2.5	9/10/2004	2.5	ND	6.6	150	ND	ND	120	11	26	91	ND	ND	120	ND	ND	ND	47	73
TR-4-5.0	9/10/2004	5.0	--	--	--	--	ND	55	--	--	23	--	--	38	--	--	--	--	58
TR-5-2.5	9/10/2004	2.5	--	--	--	--	ND	43	--	--	7.7	--	--	22	--	--	--	--	43
TR-5-5.0	9/10/2004	5.0	--	--	--	--	2	47	--	--	280	--	--	32	--	--	--	--	79
TR-6-2.5	9/10/2004	2.5	ND	ND	130	ND	ND	38	6.4	16	7.7	ND	ND	27	ND	ND	ND	31	38
TR-6-5.0	9/10/2004	5.0	--	--	--	--	1.6	51	--	--	25	--	--	32	--	--	--	--	71
TR-7-3.0	9/10/2004	3.0	--	--	--	--	ND	35	--	--	6.7	--	--	18	--	--	--	--	30
TR-7-5.0	9/10/2004	5.0	ND	8.6	100	ND	ND	40	5.4	9.9	39	ND	ND	22	ND	ND	ND	34	43
TR-8-2.5	9/10/2004	2.5	ND	ND	220	ND	ND	52	7.9	19	19	ND	ND	31	ND	ND	ND	46	61
TR-8-5.0	9/10/2004	5.0	--	--	--	--	ND	43	--	--	7.9	--	--	52	--	--	--	--	41
TR-9-2.5	9/10/2004	2.5	--	--	--	--	ND	34	--	--	21	--	--	24	--	--	--	--	66
TR-9-5.0	9/10/2004	5.0	--	--	--	--	ND	50	--	--	7.2	--	--	54	--	--	--	--	46
TR-10-2.5	9/10/2004	2.5	ND	ND	160	ND	ND	41	5.4	13	7.6	ND	ND	24	ND	ND	ND	32	39
TR-10-5.0	9/10/2004	5.0	--	--	--	--	ND	50	--	--	8.4	--	--	28	--	--	--	--	48

Notes:
mg/kg - milligrams per kilograms
-- Not analyzed
ND - not detected at or above method reporting limit.

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Mission Valley Ready Mix Company
Sunol, California

Sample ID	Sample Date	TPHg	TPHd	TPHmo	TRPH	MTBE	Benzene	Toluene	Ethlybenzene	Xylenes	VOCs	SVOCs
TR-1-GW	9/10/2004	< 50	< 50	< 250	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND	--
TR-10-GW	9/10/2004	< 50	160	560	6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	ND

Notes:
All results are reported in micrograms per Liter (µg/L)
TPHg - Total Petroleum Hydrocarbons as Gasoline (C6-C12), EPA Method 8021/8015M
TPHd - Total Petroleum Hydrocarbons as Diesel (C10-C23), EPA Method 8015M
TPHmo - Total Petroleum Hydrocarbons as Motor Oil (C18 +), EPA Method 8015M
TRPH - Total Recoverable Petroleum Hydrocarbons, EPA Method 418.1
MTBE - Methyl Tert Butyl Ether by EPA Method 8021
Benzene Toluene, Ethylbenzene, and Xylene by EPA Method 8021
VOCs - Volatile Organic Compounds, EPA 8260B
SVOCs - Semi Volatile Organic Compounds, EPA Method 8270
< 1.0 - Analyte was not detected above the laboratory reporting limit (1.0 mg/kg)
-- Not analyzed
ND - Not detected at or above the laboratory reporting limit

Table 4
Groundwater Analytical Results for Total Metals
Mission Valley Ready Mix Company
Sunol, California

Sample ID	Date Collected	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
TR-1-GW	9/10/2004	< 0.005	0.063	4.3	0.0068	0.0093	0.74	0.26	0.39	0.15	0.006	< 0.005	1.1	< 0.005	0.0083	< 0.005	0.5	0.78

Notes:
mg/L - milligrams per Liter

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APPENDIX A

Exploratory Boring Logs

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-1**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1–2	TR-1-1					CL	SANDY CLAY (CL) dark brown/gray with lighter brown mottling, soft, dry, no odor
2–3	TR-1-2.5						
4–5	TR-1-5						CLAY (CL) dark blackish gray, stiff, dry, no odor
5–6							
12–13						CL	▽
18–19							▼

Boring terminated at 20 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at an initial depth of 18 feet and stabilized at 13 feet during drilling.

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Project No.:	Figure:
1638.07	A-1

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-2**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push, Hollow Stem Auger		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-2-1					CL	SANDY CLAY (CL) dark brown, soft, dry, no odor
2	TR-2-2.5					CL	CLAY (CL) dark gray/ black with brown mottling, stiff, dry, no odor
3							
4							
5	TR-2-5						
6							
7							
8							
9							
10							
11							
12							
13							
14							
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25							
26							
27							
28							
29							
30							

Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

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Project No.:	Figure:
1638.07	A-2

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT: **MISSION VALLEY ROCK**
Sunol, California

Log of Boring TR-3

Boring location: See Site Plan, Figure 2 | Logged by: M. Gibbons

Date started: 9/10/04 | Date finished: 9/10/04

Drilling method: Direct Push, Hollow Stem Auger

Hammer weight/drop: N/A | Hammer type: Pneumatic

Sampler: Split Spoon

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-3-1					SP	SAND (SP) light brown/gray, loose, dry, no odor
2	TR-3-2.5						
3						CL	CLAY (CL) dark gray/black, soft, dry, no odor
4							
5	TR-3-5						
6							
7							
8							
9							
10							
11							
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Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.: 1638.07 | Figure: A-3

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-4**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push, Hollow Stem Auger		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-4-1					CL	CLAY (CL) dark gray/black, soft, dry, no odor
2	TR-4-2.5						
3							
4							
5	TR-4-4.5						
6							
7							
8							
9							
10							
11							
12							
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Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.:	Figure:
1638.07	A-4

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-5**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push, Hollow Stem Auger		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-5-1					SP	SAND (SP) light brown/yellow, very loose, dry, no odor
2	TR-5-2.5						
3						CL	CLAY (CL) dark gray/black, soft to medium soft, dry, no odor
4							
5	TR-5-5						
6							
7							
8							
9							
10							
11							
12							
13							
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Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.:	Figure:
1638.07	A-5

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT: **MISSION VALLEY ROCK**
Sunol, California

Log of Boring TR-6

Boring location: See Site Plan, Figure 2 | Logged by: M. Gibbons

Date started: 9/10/04 | Date finished: 9/10/04

Drilling method: Direct Push, Hollow Stem Auger

Hammer weight/drop: N/A | Hammer type: Pneumatic

Sampler: Split Spoon

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-6-1					SP	SANDY CLAY (SP) light brown with gray, dry, no odor
2	TR-6-2.5						
3							
4						CL	CLAY (CL) dark gray/black, stiff, dry, no odor
5	TR-6-5						
6–30							

Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.: 1638.07 | Figure: A-6

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	Log of Boring TR-7	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push, Hollow Stem Auger		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-7-1					CL	CLAY (CL) dark gray with brown yellow mottling, stiff, dry, no odor
2							
3	TR-7-3						
4							
5	TR-7-5						
6							
7							
8							
9							
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Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.: 1638.07 | Figure: A-7

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-8**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2 | Logged by: M. Gibbons

Date started: 9/10/04 | Date finished: 9/10/04

Drilling method: Direct Push, Hollow Stem Auger

Hammer weight/drop: N/A | Hammer type: Pneumatic

Sampler: Split Spoon

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-8-1					CL	SANDY CLAY (CL) light brown with dark brown/yellow mottling, soft, moist, no odor
2	TR-8-2.5						
3							
4						CL	CLAY (CL) dark gray/black, stiff, dry, no odor
5	TR-8-5						
6							
7							
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29							
30							

Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.: 1638.07 | Figure: A-8

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-9**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push, Hollow Stem Auger		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-9-1					CL	SANDY CLAY with Asphalt Mix (CL) black with light brown mottling, stiff, dry, no odor
2	TR-9-2.5						
3						CL	CLAY with GRAVEL (CL) yellow brown with brown mottling, stiff, dry, no odor
4							
5	TR-9-5					CL	CLAY (CL) dark gray/black, stiff, dry, no odor
6							
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Boring terminated at 5.5 feet below ground surface.
Boring backfilled with cement grout.
Groundwater not encountered during drilling.

Treadwell&Rollo

Project No.:	Figure:
1638.07	A-9

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

PROJECT:	MISSION VALLEY ROCK Sunol, California	**Log of Boring TR-10**	PAGE 1 OF 1

Boring location: See Site Plan, Figure 2		Logged by: M. Gibbons
Date started: 9/10/04	Date finished: 9/10/04	
Drilling method: Direct Push		
Hammer weight/drop: N/A	Hammer type: Pneumatic	
Sampler: Split Spoon		

DEPTH (feet)	SAMPLES: Sample Number	SAMPLES: Sample	SAMPLES: Blow Count	SAMPLES: Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1	TR-10-1					CL	CLAY (CL) dark gray/black, stiff to very stiff, dry, no odor
2	TR-10-2.5						
3							
4							
5	TR-10-5						
6							
7							
8							
9							
10							
11							
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14							▽
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Boring terminated at 20 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at an initial depth of 17.5 feet and stabilized at 14.5 feet during drilling.

Treadwell&Rollo

Project No.:	Figure:
1638.07	A-10

TEST ENVIRONMENTAL 163807.GPJ T&R.GDT 10/13/04

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size)	Gravels (More than half of coarse fraction > no. 4 sieve size)	GW	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	Silts and Clays LL = < 50	ML	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	MH	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		PT	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	Grain Size in Millimeters
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.074
coarse	No. 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.074
Silt and Clay	Below No. 200	Below 0.074

Unstabilized groundwater level

Stabilized groundwater level

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push sampler

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.5-inch inside diameter

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

MISSION VALLEY ROCK
Sunol, California

CLASSIFICATION CHART

Treadwell&Rollo

Date 09/16/04 | Project No. 1638.07 | Figure A-11

Treadwell&Rollo

APPENDIX B

Certified Analytical Reports and Chain-of-Custody Report

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Reported: 09/15/04
	Client P.O.:	Date Completed: 09/15/04

WorkOrder: 0409158

September 15, 2004

Dear Peter:

Enclosed are:

1). the results of **22** analyzed samples from your **#1638.07; Misson Valley Rock project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/14/04
	Client P.O.:	Date Analyzed: 09/14/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409158

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	TR-1-2.5	S	ND	ND	ND	ND	ND	ND	1	89.4
003A	TR-1-5	S	ND	ND	ND	ND	ND	ND	1	92.7
004C	TR-1-6W	W	ND,i	ND	ND	ND	ND	ND	1	90.3
006A	TR-2-2.5	S	ND	ND	ND	ND	ND	ND	1	86.6
007A	TR-2-5	S	ND	ND	ND	ND	ND	ND	1	88.7
009A	TR-3-2.5	S	ND	ND	ND	0.020	ND	ND	1	102
010A	TR-3-5	S	ND	ND	ND	ND	ND	ND	1	94.5
012A	TR-4-2.5	S	ND	ND	ND	ND	ND	ND	1	96.2
013A	TR-4-5	S	ND	ND	ND	ND	ND	ND	1	90.2
015A	TR-5-2.5	S	ND	ND	ND	ND	ND	ND	1	97.8
016A	TR-5-5	S	ND	ND	ND	ND	ND	ND	1	104
018A	TR-6-2.5	S	ND	ND	ND	ND	ND	ND	1	94.2
019A	TR-6-5	S	ND	ND	ND	ND	ND	ND	1	86.3
021A	TR-7-3	S	ND	ND	ND	ND	ND	ND	1	104
022A	TR-7-5	S	ND	ND	ND	ND	ND	ND	1	97.4
024A	TR-8-2.5	S	ND	ND	ND	ND	ND	ND	1	94.6
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/14/04
	Client P.O.:	Date Analyzed: 09/14/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409158

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
025A	TR-8-5	S	ND	ND	ND	ND	ND	ND	1	85.4
027A	TR-9-2.5	S	ND	ND	ND	ND	ND	ND	1	89.0
028A	TR-9-5	S	ND	ND	ND	ND	ND	ND	1	98.0
030A	TR-10-2.5	S	ND	ND	ND	ND	ND	ND	1	92.0
031A	TR-10-5	S	ND	ND	ND	ND	ND	ND	1	94.0
032C	TR-10-6W	W	ND,i	ND	ND	ND	ND	ND	1	90.8

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/15/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0409158

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0409158-002A	TR-1-2.5	S	4.4,g	39	2	101
0409158-003A	TR-1-5	S	ND	ND	1	106
0409158-004B	TR-1-6W	W	ND,i	ND	1	104
0409158-006A	TR-2-2.5	S	ND	ND	1	109
0409158-007A	TR-2-5	S	6.5,g	88	5	103
0409158-009A	TR-3-2.5	S	ND	ND	1	110
0409158-010A	TR-3-5	S	12,g,b	150	10	93.0
0409158-012A	TR-4-2.5	S	14,g,b	130	10	113
0409158-013A	TR-4-5	S	20,g	220	10	91.6
0409158-015A	TR-5-2.5	S	ND	ND	1	109
0409158-016A	TR-5-5	S	16,g	220	5	104
0409158-018A	TR-6-2.5	S	1.7,g	16	1	111
0409158-019A	TR-6-5	S	1.0,g	8.6	1	105
0409158-021A	TR-7-3	S	ND	ND	1	104
0409158-022A	TR-7-5	S	20,g	140	10	89.0
0409158-024A	TR-8-2.5	S	ND,g	5.7	1	108

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/15/04

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0409158

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0409158-025A	TR-8-5	S	150,g,b	790	50	87
0409158-027A	TR-9-2.5	S	ND,g	5.5	1	108
0409158-028A	TR-9-5	S	260,g,b	2000	200	117
0409158-030A	TR-10-2.5	S	35,g,b	200	10	89.5
0409158-031A	TR-10-5	S	ND,g	8.0	1	110
0409158-032B	TR-10-6W	W	160,b,g,i	560	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Total Recoverable Hydrocarbons without Silica Gel Clean-Up by IR Spectrometry*

Analytical methods: E418.1 Work Order: 0409158

Lab ID	Client ID	Matrix	TRH	DF	% SS
0409158-002A	TR-1-2.5	S	1400	10	115
0409158-003A	TR-1-5	S	ND	1	111
0409158-004A	TR-1-6W	W	ND,i	1	109
0409158-006A	TR-2-2.5	S	ND	1	112
0409158-007A	TR-2-5	S	1400	10	111
0409158-009A	TR-3-2.5	S	16	1	112
0409158-010A	TR-3-5	S	660	2	108
0409158-012A	TR-4-2.5	S	1600	10	112
0409158-013A	TR-4-5	S	3500	10	108
0409158-015A	TR-5-2.5	S	12	1	109
0409158-016A	TR-5-5	S	3600	10	96.0
0409158-018A	TR-6-2.5	S	130	1	109
0409158-019A	TR-6-5	S	120	1	109
0409158-021A	TR-7-3	S	ND	1	108
0409158-022A	TR-7-5	S	1300	10	106
0409158-024A	TR-8-2.5	S	47	1	109

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	1.0	mg/L
	S	10	mg/Kg

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Total Recoverable Hydrocarbons without Silica Gel Clean-Up by IR Spectrometry*

Analytical methods: E418.1 Work Order: 0409158

Lab ID	Client ID	Matrix	TRH	DF	% SS
0409158-025A	TR-8-5	S	9200	100	---#
0409158-027A	TR-9-2.5	S	25	1	108
0409158-028A	TR-9-5	S	22,000	100	---#
0409158-030A	TR-10-2.5	S	4000	100	91.1
0409158-031A	TR-10-5	S	40	1	108
0409158-032A	TR-10-6W	W	6.0,i	1	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	1.0	mg/L
	S	10	mg/Kg

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409158

Lab ID	0409158-006A
Client ID	TR-2-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	110	%SS2:	99.9
%SS3:	102		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-009A
Client ID	TR-3-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	12	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	109	%SS2:	99.5
%SS3:	101		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-012A
Client ID	TR-4-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	112	%SS2:	101
%SS3:	100		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
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	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409158

Lab ID	0409158-015A
Client ID	TR-5-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	113	%SS2:	99.1
%SS3:	101		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-019A
Client ID	TR-6-5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	112	%SS2:	97.8
%SS3:	101		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-024A
Client ID	TR-8-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	113	%SS2:	100
%SS3:	101		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-025A
Client ID	TR-8-5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	20	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Freon 113	ND	1.0	100	Hexachlorobutadiene	ND	1.0	5.0
Hexachloroethane	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Isopropylbenzene	ND	1.0	5.0	4-Isopropyl toluene	ND	1.0	5.0
Methanol	ND	1.0	2500	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,2,4-Trimethylbenzene	ND	1.0	5.0
1,3,5-Trimethylbenzene	ND	1.0	5.0	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	109	%SS2:	101
%SS3:	101		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/14/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409158

Lab ID	0409158-004D
Client ID	TR-1-6W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	113	%SS2:	96.3
%SS3:	105		

Comments: i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil / sludge / solid samples in µg/kg, wipe samples in µg/wipe, product / oil / non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/14/04
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/14/04

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0409158

Lab ID	0409158-032D
Client ID	TR-10-6W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	7.2	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	110	%SS2:	97.9
%SS3:	111		

Comments: i

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil / sludge / solid samples in µg/kg, wipe samples in µg/wipe, product / oil / non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo 555 Montgomery St., Suite 1300 San Francisco, CA 94111	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0409158

Lab ID	0409158-006A
Client ID	TR-2-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	80.6	%SS2:	80.7
%SS3:	89.1	%SS4:	81.1
%SS5:	104	%SS6:	76.5

Comments:

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0409158

Lab ID	0409158-012A
Client ID	TR-4-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<1.3	4.0	0.33	Acenaphthylene	ND<1.3	4.0	0.33
Acetochlor	ND<1.3	4.0	0.33	Anthracene	ND<1.3	4.0	0.33
Benzidine	ND<6.4	4.0	1.6	Benzoic Acid	ND<6.4	4.0	1.6
Benzo(a)anthracene	ND<1.3	4.0	0.33	Benzo(b)fluoranthene	ND<1.3	4.0	0.33
Benzo(k)fluoranthene	ND<1.3	4.0	0.33	Benzo(g,h,i)perylene	ND<1.3	4.0	0.33
Benzo(a)pyrene	ND<1.3	4.0	0.33	Benzyl Alcohol	ND<2.6	4.0	0.66
Bis (2-chloroethoxy) Methane	ND<1.3	4.0	0.33	Bis (2-chloroethyl) Ether	ND<1.3	4.0	0.33
Bis (2-chloroisopropyl) Ether	ND<1.3	4.0	0.33	Bis (2-ethylhexyl) Adipate	ND<1.3	4.0	0.33
Bis (2-ethylhexyl) Phthalate	ND<1.3	4.0	0.33	4-Bromophenyl Phenyl Ether	ND<1.3	4.0	0.33
Butylbenzyl Phthalate	ND<1.3	4.0	0.33	4-Chloroaniline	ND<2.6	4.0	0.66
4-Chloro-3-methylphenol	ND<1.3	4.0	0.33	2-Chloronaphthalene	ND<1.3	4.0	0.33
2-Chlorophenol	ND<1.3	4.0	0.33	4-Chlorophenyl Phenyl Ether	ND<1.3	4.0	0.33
Chrysene	ND<1.3	4.0	0.33	Dibenzo(a,h)anthracene	ND<1.3	4.0	0.33
Dibenzofuran	ND<1.3	4.0	0.33	Di-n-butyl Phthalate	ND<1.3	4.0	0.33
1,2-Dichlorobenzene	ND<1.3	4.0	0.33	1,3-Dichlorobenzene	ND<1.3	4.0	0.33
1,4-Dichlorobenzene	ND<1.3	4.0	0.33	3,3-Dichlorobenzidine	ND<2.6	4.0	0.66
2,4-Dichlorophenol	ND<1.3	4.0	0.33	Diethyl Phthalate	ND<1.3	4.0	0.33
2,4-Dimethylphenol	ND<1.3	4.0	0.33	Dimethyl Phthalate	ND<1.3	4.0	0.33
4,6-Dinitro-2-methylphenol	ND<6.4	4.0	1.6	2,4-Dinitrophenol	ND<6.4	4.0	1.6
2,4-Dinitrotoluene	ND<1.3	4.0	0.33	2,6-Dinitrotoluene	ND<1.3	4.0	0.33
Di-n-octyl Phthalate	ND<1.3	4.0	0.33	1,2-Diphenylhydrazine	ND<1.3	4.0	0.33
Fluoranthene	ND<1.3	4.0	0.33	Fluorene	ND<1.3	4.0	0.33
Hexachlorobenzene	ND<1.3	4.0	0.33	Hexachlorobutadiene	ND<1.3	4.0	0.33
Hexachlorocyclopentadiene	ND<6.4	4.0	1.6	Hexachloroethane	ND<1.3	4.0	0.33
Indeno (1,2,3-cd) pyrene	ND<1.3	4.0	0.33	Isophorone	ND<1.3	4.0	0.33
2-Methylnaphthalene	ND<1.3	4.0	0.33	2-Methylphenol (o-Cresol)	ND<1.3	4.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<1.3	4.0	0.33	Naphthalene	ND<1.3	4.0	0.33
2-Nitroaniline	ND<6.4	4.0	1.6	3-Nitroaniline	ND<6.4	4.0	1.6
4-Nitroaniline	ND<6.4	4.0	1.6	Nitrobenzene	ND<6.4	4.0	1.6
2-Nitrophenol	ND<6.4	4.0	1.6	4-Nitrophenol	ND<1.3	4.0	0.33
N-Nitrosodiphenylamine	ND<1.3	4.0	0.33	N-Nitrosodi-n-propylamine	ND<1.3	4.0	0.33
Pentachlorophenol	ND<6.4	4.0	1.6	Phenanthrene	ND<1.3	4.0	0.33
Phenol	ND<1.3	4.0	0.33	Pyrene	ND<1.3	4.0	0.33
1,2,4-Trichlorobenzene	ND<1.3	4.0	0.33	2,4,5-Trichlorophenol	ND<1.3	4.0	0.33
2,4,6-Trichlorophenol	ND<1.3	4.0	0.33				

Surrogate Recoveries (%)

%SS1:	88.3	%SS2:	87.5
%SS3:	99.9	%SS4:	88.5
%SS5:	95.1	%SS6:	83.9

Comments: j

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0409158

Lab ID	0409158-015A
Client ID	TR-5-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	80.1	%SS2:	81.5
%SS3:	91.7	%SS4:	81.0
%SS5:	107	%SS6:	79.5

Comments:

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/13/04-09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C | Analytical Method: SW8270D | Work Order: 0409158

Lab ID	0409158-024A
Client ID	TR-8-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	88.2	%SS2:	85.9
%SS3:	94.8	%SS4:	87.2
%SS5:	94.7	%SS6:	76.1

Comments:

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0409158

Lab ID	0409158-027A
Client ID	TR-9-2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	0.66
Bis (2-chloroethoxy) Methane	ND	1.0	0.33	Bis (2-chloroethyl) Ether	ND	1.0	0.33
Bis (2-chloroisopropyl) Ether	ND	1.0	0.33	Bis (2-ethylhexyl) Adipate	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	1.6
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	81.6	%SS2:	81.9
%SS3:	89.6	%SS4:	80.9
%SS5:	109	%SS6:	77.3

Comments:

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C | Analytical Method: SW8270D | Work Order: 0409158

Lab ID	0409158-004E
Client ID	TR-1-6W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	20
Bis (2-chloroethoxy) Methane	ND	1.0	10	Bis (2-chloroethyl) Ether	ND	1.0	10
Bis (2-chloroisopropyl) Ether	ND	1.0	10	Bis (2-ethylhexyl) Adipate	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	50
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	10
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	83.7
%SS3:	120	%SS4:	78.8
%SS5:	111	%SS6:	90.6

Comments: i

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit raised; benzoic acid found in LCS/LCSD samples. Benzoic acid found in the method blank at a detectable concentration but under the RL for this compound.

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San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/14/04

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270D Work Order: 0409158

Lab ID	0409158-032E
Client ID	TR-10-6W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	20
Bis (2-chloroethoxy) Methane	ND	1.0	10	Bis (2-chloroethyl) Ether	ND	1.0	10
Bis (2-chloroisopropyl) Ether	ND	1.0	10	Bis (2-ethylhexyl) Adipate	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	10	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	50
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	10
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				

Surrogate Recoveries (%)

%SS1:	85.3	%SS2:	85.4
%SS3:	112	%SS4:	93.2
%SS5:	119	%SS6:	84.7

Comments: i

* water samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit raised; benzoic acid found in LCS/LCSD samples. Benzoic acid found in the method blank at a detectable concentration but under the RL for this compound.

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		Date Received: 09/13/04
	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/14/04

CAM / CCR 17 Metals*

Lab ID	0409158-012A	0409158-018A	0409158-022A	0409158-024A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	TR-4-2.5	TR-6-2.5	TR-7-5	TR-8-2.5		
Matrix	S	S	S	S	S	W
Extraction Type	TTLC	TTLC	TTLC	TTLC	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0409158

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	5.0	NA
Arsenic	6.6	ND	8.6	ND	5.0	NA
Barium	150	130	100	220	1.5	NA
Beryllium	ND	ND	ND	ND	1.5	NA
Cadmium	ND	ND	ND	ND	1.5	NA
Chromium	120	38	40	52	1.5	NA
Cobalt	11	6.4	5.4	7.9	1.5	NA
Copper	26	16	9.9	19	1.5	NA
Lead	91	7.7	39	19	5.0	NA
Molybdenum	ND	ND	ND	ND	1.5	NA
Nickel	120	27	22	31	1.5	NA
Selenium	ND	ND	ND	ND	5.0	NA
Silver	ND	ND	ND	ND	1.5	NA
Thallium	ND	ND	ND	ND	5.0	NA
Vanadium	47	31	34	46	5.0	NA
Zinc	73	38	43	61	5.0	NA
%SS:	111	95.1	108	104		

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1	1	1	1	1	1
Mercury	ND	ND	ND	ND	0.06	NA
Comments						

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument; **special large volume digestion

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

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McCampbell Analytical, Inc.

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/14/04

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0409158-030A					
Client ID	TR-10-2.5					
Matrix	S				S	W
Extraction Type	TTLC				mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B | Work Order: 0409158

Dilution Factor	1				1	1
Antimony	ND				5.0	NA
Arsenic	ND				5.0	NA
Barium	160				1.5	NA
Beryllium	ND				1.5	NA
Cadmium	ND				1.5	NA
Chromium	41				1.5	NA
Cobalt	5.4				1.5	NA
Copper	13				1.5	NA
Lead	7.6				5.0	NA
Molybdenum	ND				1.5	NA
Nickel	24				1.5	NA
Selenium	ND				5.0	NA
Silver	ND				1.5	NA
Thallium	ND				5.0	NA
Vanadium	32				5.0	NA
Zinc	39				5.0	NA
%SS:	104					

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW7471B

Dilution Factor	1				1	1
Mercury	ND				0.06	NA
Comments						

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument; **special large volume digestion

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Treadwell & Rollo	Client Project ID: #1638.07; Misson Valley Rock	Date Sampled: 09/10/04
555 Montgomery St., Suite 1300		Date Received: 09/13/04
San Francisco, CA 94111	Client Contact: Peter Cusack	Date Extracted: 09/13/04
	Client P.O.:	Date Analyzed: 09/14/04-09/15/04

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0409158-004F				S	W
Client ID	TR-1-6W					
Matrix	W					
Extraction Type	TTLC				mg/kg	mg/L

ICP Metals, Concentration*

Analytical Method: E200.7 Extraction Method: E200.7/E200.8 Work Order: 0409158

Dilution Factor	1				1	1
Barium	4.3				NA	0.005
Beryllium	0.0068				NA	0.005
Cadmium	0.0093				NA	0.005
Chromium	0.74				NA	0.005
Cobalt	0.26				NA	0.005
Copper	0.39				NA	0.005
Molybdenum	ND				NA	0.005
Nickel	1.1				NA	0.005
Silver	0.0083				NA	0.005
Vanadium	0.50				NA	0.02
Zinc	0.78				NA	0.02
%SS:	108					

GFAA Metals, Concentration*

Analytical Method: E200.9 Extraction Method: E200.9

Dilution Factor	1				1	1
Antimony	ND				NA	0.006
Arsenic	0.063				NA	0.005
Lead	0.15				NA	0.005
Selenium	ND				NA	0.005
Thallium	ND				NA	0.005

Cold Vapor Metals, Concentration*

Analytical Method: E245.1 Extraction Method: E245.1

Dilution Factor	2				1	1
Mercury	0.0060				NA	0.0008
Comments	i					

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0409158

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13076 Spiked Sample ID: 0409158-024A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	103	98.5	4.89	102	98.1	3.88	70	130
MTBE	ND	0.10	91.7	96.6	5.13	100	101	0.412	70	130
Benzene	ND	0.10	108	112	3.48	103	99.7	3.67	70	130
Toluene	ND	0.10	86.2	88.1	2.14	81.6	86.7	5.99	70	130
Ethylbenzene	ND	0.10	105	108	2.45	102	95.6	6.29	70	130
Xylenes	ND	0.30	91	94.7	3.95	89.7	82	8.93	70	130
%SS:	94.6	0.10	108	111	3.59	105	105	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0409158

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13084 Spiked Sample ID: 0409170-016A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TPH(btex)£	ND	0.60	101	100	0.305	94.7	99.6	5.00	70	130
MTBE	ND	0.10	90.1	95.2	5.48	103	102	0.561	70	130
Benzene	ND	0.10	105	109	4.05	106	101	5.23	70	130
Toluene	ND	0.10	83.4	87.1	4.36	83.7	81.7	2.39	70	130
Ethylbenzene	ND	0.10	104	108	3.35	101	100	1.19	70	130
Xylenes	ND	0.30	90.3	94.7	4.68	86.3	86.3	0	70	130
%SS:	88.6	0.10	106	107	0.327	107	101	5.28	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0409158

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13074 Spiked Sample ID: 0409161-004A

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TPH(btex)£	ND	60	119	96.3	21.0	101	103	1.79	70	130
MTBE	ND	10	103	93.4	10.2	102	99.5	2.67	70	130
Benzene	ND	10	106	102	3.09	101	104	2.52	70	130
Toluene	ND	10	106	97	8.74	102	103	0.627	70	130
Ethylbenzene	ND	10	103	101	2.20	100	103	3.03	70	130
Xylenes	ND	30	90.7	89.7	1.11	86.3	90.7	4.90	70	130
%SS:	101	10	112	104	7.53	104	102	1.81	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0409158

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13092 Spiked Sample ID: 0409170-006A

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TPH(btex)£	ND	60	84.4	81.9	2.96	92.4	91.9	0.490	70	130
MTBE	ND	10	95.1	93.6	1.62	80.3	82.3	2.46	70	130
Benzene	ND	10	87.7	86.4	1.54	91.5	91.8	0.328	70	130
Toluene	ND	10	88.9	87.6	1.49	101	102	0.391	70	130
Ethylbenzene	ND	10	90.8	89.3	1.59	109	110	0.677	70	130
Xylenes	ND	30	90.7	89.7	1.11	110	110	0	70	130
%SS:	101	10	95	95.7	0.761	98.9	97.7	1.17	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0409158

EPA Method: SW8015C Extraction: SW3510C BatchID: 13063 Spiked Sample ID: N/A

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	110	109	1.39	70	130
%SS:	N/A	2500	N/A	N/A	N/A	118	116	1.34	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0409158

EPA Method: SW8015C Extraction: SW3550C BatchID: 13078 Spiked Sample ID: 0409158-024A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	105	106	0.903	92	98.5	6.81	70	130
%SS:	108	50	104	105	0.840	102	105	3.13	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0409158

EPA Method: SW8015C Extraction: SW3550C BatchID: 13083 Spiked Sample ID: 0409170-003A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TPH(d)	ND	150	114	114	0	114	106	7.20	70	130
%SS:	111	50	107	107	0	112	109	2.30	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR E418.1

Matrix: S WorkOrder: 0409158

EPA Method: E418.1 Extraction: SW3550_TRPH BatchID: 13081 Spiked Sample ID: 0409158-003A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TRH	ND	20.8	99.5	105	5.18	111	104	5.82	70	130
%SS:	111	100	106	106	0	104	104	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR E418.1

Matrix: W WorkOrder: 0409158

EPA Method: E418.1 Extraction: SW3510B_TRPH BatchID: 13051 Spiked Sample ID: 0409120-001A

Analyte	Sample mg/L	Spiked mg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TRH	1100	2.37	NR	NR	NR	84.4	84.4	0	70	130
%SS:	---#	100	---#	---#	---#	99	102	2.99	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0409158

EPA Method: SW8260B Extraction: SW5030B BatchID: 13069 Spiked Sample ID: 0409144-001A

Analyte	Sample µg/Kg	Spiked µg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
tert-Amyl methyl ether (TAME)	ND	50	83.6	83.8	0.263	88	87	1.12	70	130
Benzene	ND	50	108	111	2.65	111	108	2.56	70	130
t-Butyl alcohol (TBA)	ND	250	75.2	82.6	9.47	86.8	83.2	4.24	70	130
Chlorobenzene	ND	50	103	105	1.49	107	104	2.73	70	130
1,2-Dibromoethane (EDB)	ND	50	98.3	100	1.98	108	106	1.57	70	130
1,2-Dichloroethane (1,2-DCA)	ND	50	94.5	97.8	3.46	102	99.4	2.31	70	130
1,1-Dichloroethene	ND	50	115	119	3.33	101	99.8	1.27	70	130
Diisopropyl ether (DIPE)	ND	50	116	118	1.26	126	122	2.81	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	93.7	96.9	3.33	103	101	2.01	70	130
Methanol	ND	12500	98.5	99.4	0.943	102	97.7	4.43	70	130
Methyl-t-butyl ether (MTBE)	ND	50	89.5	94.2	5.12	103	99.9	2.65	70	130
Toluene	ND	50	99.7	99.2	0.466	100	95.8	4.43	70	130
Trichloroethene	ND	50	105	108	2.80	107	103	3.06	70	130
%SS1:	89.3	50	100	100	0	98	99	0.961	70	130
%SS2:	109	50	96	94	1.91	93	94	1.99	70	130
%SS3:	95.2	50	95	96	0.313	92	92	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7. Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0409158

EPA Method: SW8260B Extraction: SW5030B BatchID: 13091 Spiked Sample ID: 0409170-006B

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
tert-Amyl methyl ether (TAME)	ND	10	95.5	93.8	1.73	90.3	92	1.85	70	130
Benzene	ND	10	121	122	0.601	121	124	2.41	70	130
t-Butyl alcohol (TBA)	ND	50	91.8	84.8	7.93	89.5	90.5	1.04	70	130
Chlorobenzene	ND	10	105	104	1.77	104	108	3.12	70	130
1,2-Dibromoethane (EDB)	ND	10	105	103	1.52	107	112	4.23	70	130
1,2-Dichloroethane (1,2-DCA)	ND	10	115	114	0.248	112	117	3.86	70	130
1,1-Dichloroethene	ND	10	104	104	0	117	121	3.20	70	130
Diisopropyl ether (DIPE)	ND	10	126	125	0.730	121	124	1.67	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	113	112	1.43	112	112	0	70	130
Methyl-t-butyl ether (MTBE)	ND	10	105	103	1.82	103	105	2.08	70	130
Toluene	ND	10	114	113	1.36	112	117	4.26	70	130
Trichloroethene	ND	10	86.4	86.7	0.367	92.7	95.9	3.35	70	130
%SS1:	105	10	98.1	97.8	0.281	102	102	0	70	130
%SS2:	100	10	102	102	0	102	102	0	70	130
%SS3:	111	10	115	116	1.08	113	113	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0409158

EPA Method: SW8260B Extraction: SW5030B BatchID: 13064 Spiked Sample ID: 0409143-001C

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
tert-Amyl methyl ether (TAME)	ND	10	90.8	91.7	1.01	85.9	87.7	2.09	70	130
Benzene	ND	10	117	116	1.37	114	116	1.33	70	130
t-Butyl alcohol (TBA)	ND	50	82.9	82.6	0.350	83.1	83	0.182	70	130
Chlorobenzene	ND	10	98.7	99.4	0.641	97.6	97.7	0.128	70	130
1,2-Dibromoethane (EDB)	ND	10	103	101	1.92	101	101	0	70	130
1,2-Dichloroethane (1,2-DCA)	1.24	10	98.8	94.2	4.25	107	110	2.27	70	130
1,1-Dichloroethene	ND	10	105	98.7	6.16	109	109	0	70	130
Diisopropyl ether (DIPE)	ND	10	120	120	0	116	117	1.06	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	109	107	1.55	105	106	0.816	70	130
Methyl-t-butyl ether (MTBE)	0.949	10	90.7	89.4	1.27	98.8	101	1.93	70	130
Toluene	ND	10	109	109	0	108	105	3.02	70	130
Trichloroethene	ND	10	87.2	82.9	5.07	88.6	87	1.83	70	130
%SS1:	---#	10	100	97	2.61	101	102	1.64	70	130
%SS2:	97.9	10	102	102	0	103	103	0	70	130
%SS3:	117	10	109	113	3.18	108	111	2.65	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8270D

Matrix: S WorkOrder: 0409158

EPA Method: SW8270D Extraction: SW3550C BatchID: 13079 Spiked Sample ID: 0409157-002A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
Acenaphthene	ND	2	74.2	73.2	65.5	74.8	72.8	2.72	30	130
4-Chloro-3-methylphenol	ND	4	89.2	90.2	67.6	76.7	75.9	1.02	30	130
2-Chlorophenol	ND	4	81.1	82	67.7	77.4	79.1	2.11	30	130
1,4-Dichlorobenzene	ND	2	81.5	81.6	66.8	80.5	81.1	0.780	30	130
2,4-Dinitrotoluene	ND	2	76.4	76.1	66.3	71.5	71.7	0.251	30	130
4-Nitrophenol	ND	4	99	101	68.3	76.6	78.5	2.43	30	130
N-Nitrosodi-n-propylamine	ND	2	107	105	64.6	92	95	3.18	30	130
Pentachlorophenol	ND	4	77.1	77.5	200	70.8	70.3	0.730	30	130
Phenol	ND	4	80.4	81.1	67.4	86.1	87.7	1.85	30	130
Pyrene	ND	2	76	76.6	67.4	89.7	88	1.86	30	130
1,2,4-Trichlorobenzene	ND	2	91.9	92.4	67.2	78.5	79.1	0.685	30	130
%SS1:	84.8	200	85	86	67.7	78	80	2.06	30	130
%SS2:	81.7	200	86	87	67.6	81	83	1.56	30	130
%SS3:	91.6	200	95	95	0	87	87	0	30	130
%SS4:	93.2	200	96	95	66.0	81	80	0.189	30	130
%SS5:	88.0	200	104	105	67.6	81	81	0	30	130
%SS6:	80.6	200	83	83	0	79	76	3.54	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

& = low or no recovery of surrogate or target analytes due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8270D

Matrix: W WorkOrder: 0409158

EPA Method: SW8270D Extraction: SW3510C BatchID: 13087 Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Acenaphthene	N/A	50	N/A	N/A	N/A	54	53.3	1.29	30	130
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	61.4	63.5	3.41	30	130
2-Chlorophenol	N/A	100	N/A	N/A	N/A	51.3	53.7	4.58	30	130
1.4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	53.8	53.8	0	30	130
2.4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	47.7	49.5	3.74	30	130
4-Nitrophenol	N/A	100	N/A	N/A	N/A	52.9	55.6	4.97	30	130
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	66	69.7	5.50	30	130
Pentachlorophenol	N/A	100	N/A	N/A	N/A	56.1	56.7	1.04	30	130
Phenol	N/A	100	N/A	N/A	N/A	56.7	58	2.21	30	130
Pyrene	N/A	50	N/A	N/A	N/A	79.6	78.8	1.09	30	130
1.2.4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	57.8	58.8	1.54	30	130
%SS1:	N/A	5000	N/A	N/A	N/A	60	61	1.23	30	130
%SS2:	N/A	5000	N/A	N/A	N/A	66	62	6.79	30	130
%SS3:	N/A	5000	N/A	N/A	N/A	71	72	1.91	30	130
%SS4:	N/A	5000	N/A	N/A	N/A	68	68	0	30	130
%SS5:	N/A	5000	N/A	N/A	N/A	72	74	3.19	30	130
%SS6:	N/A	5000	N/A	N/A	N/A	76	75	1.44	30	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0409158

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
EPA Method: 6010C	Extraction: SW3050B			BatchID: 13080			Spiked Sample ID: 0409157-001A			
Antimony	ND	50	92.8	84.6	9.30	97.4	87.4	10.9	80	120
Arsenic	7.61	50	99.2	97.8	1.28	97.5	85.2	13.5	80	120
Barium	303.2	50	NR	NR	NR	102	94.2	7.95	80	120
Beryllium	ND	50	104	96.8	7.31	95.7	88.6	7.70	80	120
Cadmium	ND	50	103	95.5	7.90	102	93.2	9.21	80	120
Chromium	113	50	NR	NR	NR	106	98.2	8.07	80	120
Cobalt	30.5	50	80	79.5	0.391	98.9	91.4	7.88	80	120
Copper	53.1	50	NR	NR	NR	96.6	85	12.7	80	120
Lead	33.38	50	84.7	77.4	4.97	100	88.1	12.7	80	120
Molybdenum	ND	50	101	92.7	8.22	104	92.7	11.7	80	120
Nickel	145	50	NR	NR	NR	97.8	90.2	8.19	80	120
Selenium	ND	50	95.5	87.4	8.86	99	88.8	10.8	80	120
Silver	ND	5	114	101	12.5	109	105	3.59	80	120
Thallium	ND	50	106	95.3	10.2	98.2	83.4	16.3	80	120
Vanadium	98.45	50	NR	NR	NR	92	85.4	7.44	80	120
Zinc	108.4	50	NR	NR	NR	99.5	85	15.7	80	120
%SS:	111	100	104	97	6.45	98.4	93.6	4.99	80	120
EPA Method: SW7471B	Extraction: SW7471B			BatchID: 13045			Spiked Sample ID: 0409130-001A			
Mercury	0.161	0.25	74.3	130	33.5	99.5	103	3.01	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* Acceptance Criteria for MS / MSD is between 70% and 130%. MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR CAM17

Matrix: W

WorkOrder: 0409158

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
EPA Method: E200.7	Extraction: E200.7/E200.8		BatchID: 13077				Spiked Sample ID: 0409073-001A			
Barium	ND	1	84	85.9	2.24	98.8	99.4	0.615	80	120
Beryllium	ND	1	94.6	94.8	0.253	103	103	0	80	120
Cadmium	ND	1	90	91.7	1.93	104	103	0.482	80	120
Chromium	ND	1	83.5	86	3.00	100	104	3.04	80	120
Cobalt	ND	1	80.5	82.1	1.94	96.2	97.9	1.71	80	120
Copper	ND	1	84.7	86.8	2.44	97.8	98.2	0.388	80	120
Molybdenum	ND	1	88.5	88.8	0.406	94.1	94.8	0.731	80	120
Nickel	ND	1	80.7	80.6	0.136	97.3	98.7	1.45	80	120
Silver	ND	0.10	101	104	3.02	96.8	94	2.90	80	120
Vanadium	ND	1	86.5	88.2	1.95	98.8	100	1.56	80	120
Zinc	ND	1	97.8	101	2.94	97.5	102	4.05	80	120
%SS:	112	0.75	127	109	14.9	95	96	1.46	80	120
EPA Method: E200.9	Extraction: E200.9		BatchID: 13089				Spiked Sample ID: 0409219-001D			
Antimony	ND	0.010	115	108	6.74	112	105	6.52	80	120
Arsenic	0.005842	0.010	103	93.3	6.30	84.9	93.2	9.34	80	120
Lead	ND	0.010	126	120	4.58	108	101	9.01	80	120
Selenium	ND	0.010	80.9	79.1	2.27	91.6	92.2	0.734	80	120
Thallium	ND	0.010	110	108	1.47	108	110	1.38	80	120
EPA Method: E245.1	Extraction: E245.1		BatchID: 13088				Spiked Sample ID: 0409209-002D			
Mercury	ND	0.0020	121	121	0	112	91.4	20.6	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* Acceptance Criteria for MS / MSD is between 70% and 130%. MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409158 **ClientID: TWRF**

Report to:
Peter Cusack
Treadwell & Rollo
555 Montgomery St., Suite 1300
San Francisco, CA 94111
TEL: (415) 955-9040
FAX: (415) 955-9041
ProjectNo: #1638.07; Misson Valley Rock
PO:

Bill to:
Accounts Payable
Treadwell & Rollo
555 Montgomery St., Suite 1300
San Francisco, CA 94111

Requested TAT: 2 days
Date Received: 9/13/04
Date Printed: 9/13/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409158-002	TR-1-2.5	Soil	9/10/04 9:01:00 AM	☐	A								A		A	A			
0409158-003	TR-1-5	Soil	9/10/04 9:04:00 AM	☐	A								A		A	A			
0409158-004	TR-1-6W	Water	9/10/04 9:20:00 AM	☐		A		D		E	F			C			B		
0409158-006	TR-2-2.5	Soil	9/10/04 9:53:00 AM	☐	A		A		A				A			A			
0409158-007	TR-2-5	Soil	9/10/04 9:55:00 AM	☐	A								A			A			
0409158-009	TR-3-2.5	Soil	9/10/04 10:17:00	☐	A		A						A		A	A			
0409158-010	TR-3-5	Soil	9/10/04 10:20:00	☐	A								A		A	A			
0409158-012	TR-4-2.5	Soil	9/10/04 10:30:00	☐	A		A		A			A	A			A			
0409158-013	TR-4-5	Soil	9/10/04 10:33:00	☐	A								A		A	A			
0409158-015	TR-5-2.5	Soil	9/10/04 11:04:00	☐	A		A		A				A		A	A			
0409158-016	TR-5-5	Soil	9/10/04 11:10:00	☐	A								A		A	A			
0409158-018	TR-6-2.5	Soil	9/10/04 11:20:00	☐	A							A	A			A			
0409158-019	TR-6-5	Soil	9/10/04 11:24:00	☐	A		A						A		A	A			
0409158-021	TR-7-3	Soil	9/10/04 11:45:00	☐	A								A		A	A			
0409158-022	TR-7-5	Soil	9/10/04 11:48:00	☐	A							A	A			A			

Test Legend:

1	418_S	2	418_W	3	8260B_S	4	8260B_W	5	8270D_S
6	8270D_W	7	CAM17(T)_W	8	CAM17_S	9	G-MBTEX_S	10	G-MBTEX_W
11	LUFT_S	12	TPH(DMO)_S	13	TPH(DMO)_W	14		15	

Prepared by: Rosa Venegas

Comments: 48 hr TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Pacheco, CA 94553-5560
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409158 **ClientID: TWRF**

Report to:
Peter Cusack
Treadwell & Rollo
555 Montgomery St., Suite 1300
San Francisco, CA 94111
TEL: (415) 955-9040
FAX: (415) 955-9041
ProjectNo: #1638.07; Misson Valley Rock
PO:

Bill to:
Accounts Payable
Treadwell & Rollo
555 Montgomery St., Suite 1300
San Francisco, CA 94111

Requested TAT: 2 days
Date Received: 9/13/04
Date Printed: 9/13/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409158-024	TR-8-2.5	Soil	9/10/04 12:20:00	☐	A		A		A			A	A			A			
0409158-025	TR-8-5	Soil	9/10/04 12:24:00	☐	A		A						A		A	A			
0409158-027	TR-9-2.5	Soil	9/10/04 12:50:00	☐	A				A				A		A	A			
0409158-028	TR-9-5	Soil	9/10/04 12:55:00	☐	A								A		A	A			
0409158-030	TR-10-2.5	Soil	9/10/04 1:12:00 PM	☐	A							A	A			A			
0409158-031	TR-10-5	Soil	9/10/04 1:15:00 PM	☐	A								A		A	A			
0409158-032	TR-10-6W	Water	9/10/04 1:25:00 PM	☐		A		D		E				C			B		

Test Legend:

1	418_S	2	418_W	3	8260B_S	4	8260B_W	5	8270D_S
6	8270D_W	7	CAM17(T)_W	8	CAM17_S	9	G-MBTEX_S	10	G-MBTEX_W
11	LUFT_S	12	TPH(DMO)_S	13	TPH(DMO)_W	14		15	

Prepared by: Rosa Venegas

Comments: 48 hr TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

TWRF 04041158

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Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

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501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Mission Valley Rock
Job Number: 1638.07
Project Manager\Contact: P. Cusack
Samplers: M Gibbons
Recorder (Signature Required): M. Gibbons

Turnaround Time: 48 hour

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Other	No. Containers & Preservative: HCl	H_2SO_4	HNO_3	Ice	Other	Analysis Requested: TRH	Motor oil / Diesel	BTEX / MTBE	VOCs 8260	SVOCs 8270	CAM 17 Metals	LUFT 5 Metals	Silica gel clean-up	Hold	Remarks
TR-1-1	9-10-04	856		X						X										X	
TR-1-2.5	9-10-04	901		X						X		X	X	X			X				
TR-1-5	9-10-04	904		X						X		X	X	X			X				
#2 TR-1-GW	9-10-04	920			X		X			X		X	X	X	X	X	X				4 VOAs, 3 Ambers, 1 Plastic
TR-2-1	9-10-04	950		X						X										X	
TR-2-2.5	9-10-04	953		X						X		X	X	X	X	X					
TR-2-5	9-10-04	955		X						X		X	X	X							
TR-3-1	9-10-04	1014		X						X										X	
TR-3-2.5	9-10-04	1017		X						X		X	X	X	X		X				
TR-3-5	9-10-04	1020		X						X		X	X	X			X				
TR-4-1	9-10-04	1028		X						X										X	
TR-4-2.5	9-10-04	1030		X						X		X	X	X	X	X	X				
TR-4-5	9-10-04	1033		X						X		X	X	X			X				
TR-5-1	9-10-04	1100		X						X										X	

Relinquished by: (Signature)	Date 9-13-04	Time 1245	Received by: (Signature)	Date 09/13/04	Time 12:45pm
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date 9/13/04	Time 5:45pm
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical Lab.
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

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☐ 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Mission Valley Rock
Job Number: 1638.07
Project Manager\Contact: P. Cusack
Samplers: M. Gibbons
Recorder (Signature Required): M. Gibbons

Turnaround Time: 48 hour

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Other	No. Containers & Preservative: HCl	H_2SO_4	HNO_3	Ice	Other	Analysis Requested: TRPH	Motor Oil / Diesel	BTEX / MTBE	VOCs 8260	SVOCs 8270	CAM 17 Metals	LUFT 5 Metals	Silica gel clean-up	Hold	Remarks
TR-5-2.5	9-10-04	1104		X						X		X	X	X	X			X			
TR-5-5	9-10-04	1110		X						X		X	X	X				X			
TR-6-1	9-10-04	1118		X						X										X	
TR-6-2.5	9-10-04	1120		X						X		X	X	X		X					
TR-6-5	9-10-04	1124		X						X		X	X	X	X			X			
TR-7-1	9-10-04	1140		X						X										X	
TR-7-3	9-10-04	1145		X						X		X	X	X				X			
TR-7-5	9-10-04	1148		X						X		X	X	X		X					
TR-8-1	9-10-04	1218		X						X										X	
TR-8-2.5	9-10-04	1220		X						X		X	X	X	X	X					
TR-8-5	9-10-04	1224		X						X		X	X	X	X			X			
TR-9-1	9-10-04	1248		X						X										X	
TR-9-2.5	9-10-04	1250		X						X		X	X	X		X		X			
TR-9-5	9-10-04	1255		X						X		X	X	X				X			

Relinquished by: (Signature)	Date 9/13/04	Time 1245	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received by: (Signature) Date 09/13/04 Time 12:45pm
Relinquished by: (Signature)	Date	Time	Received by: (Signature) Date 9/13 Time
Sent to Laboratory (Name): McCampbell Analytical Lab			Received by Lab: (Signature) Date Time
Laboratory Comments/Notes:			Method of Shipment ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

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501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: Mission Valley Rock
Job Number: 162807
Project Manager\Contact: P Cusack
Samplers: M. Gibbons
Recorder (Signature Required): M. Gibbons

Turnaround Time: 48 hrs

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Matrix: Water	Matrix: Other	No. Containers & Preservative: HCl	H_2SO_4	HNO_3	Ice	Other	Analysis Requested: TRPH	Motor Oil / Diesel	Gas / BTEX / MTBE	VOCs 8260	SVOC 8270	CAM 17 Metals	LUFT 5 Metals	Silica gel clean-up	Hold	Remarks
TR-10-1	9-10-04	1310		X						X										X	
TR-10-2.5	9-10-04	1312		X						X		X	X	X		X					
TR-10-5	9-10-04	1315		X						X		X	X	X			X				
+SD TR-10-GW	9-10-04	1325			X		X			X		X	X	X	X	X					

Relinquished by: (Signature)	Date 9/13/04	Time 12:45	Received by: (Signature)	Date 09/13/04	Time 12:45pm
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical Lab.
Laboratory Comments/Notes:

Method of Shipment: ☐ Lab courier ☐ Fed Ex ☐ Airborne ☐ UPS ☐ Hand Carried ☐ Private Courier (Co. Name)

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